

FIG. 1

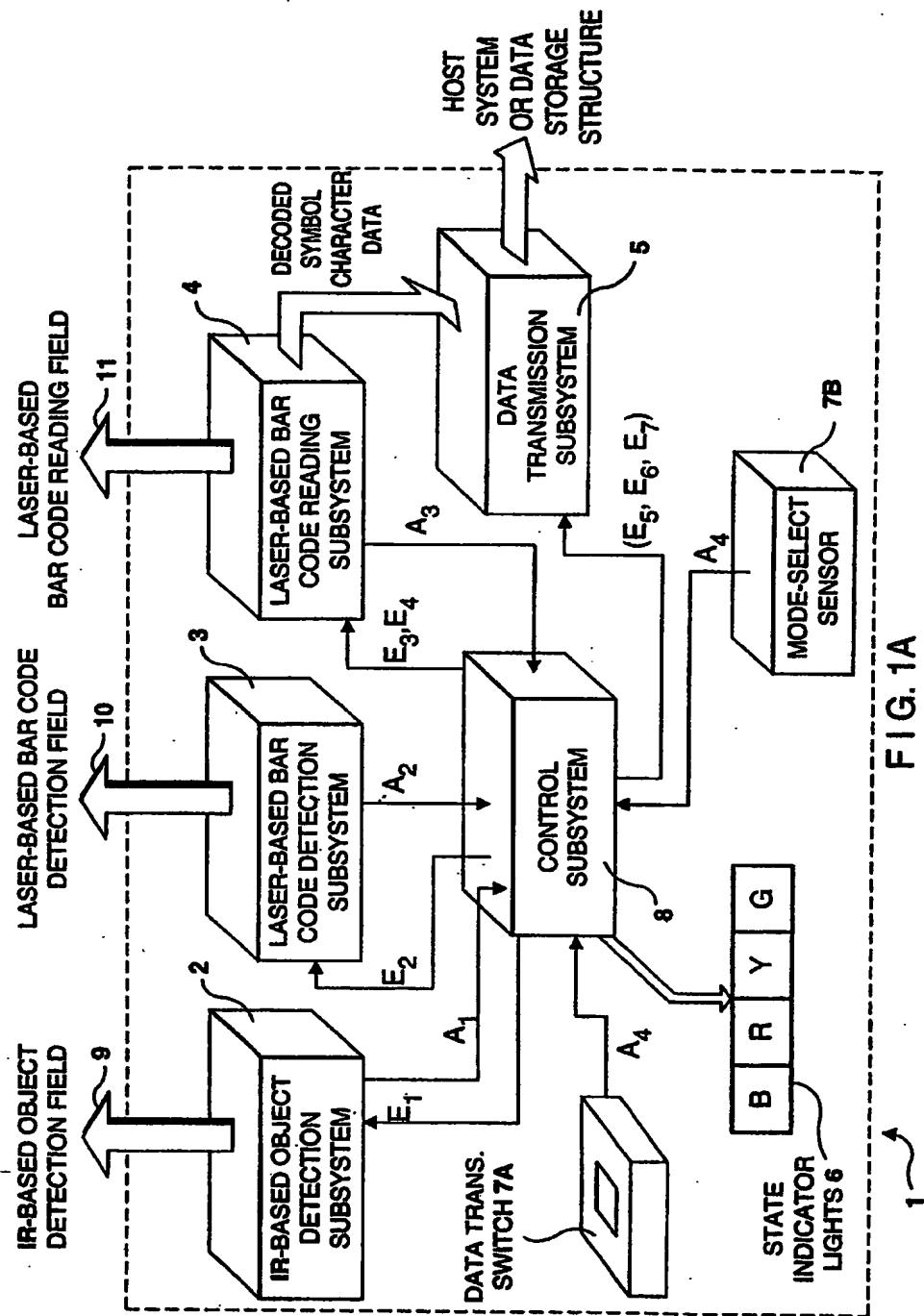


FIG. 1A

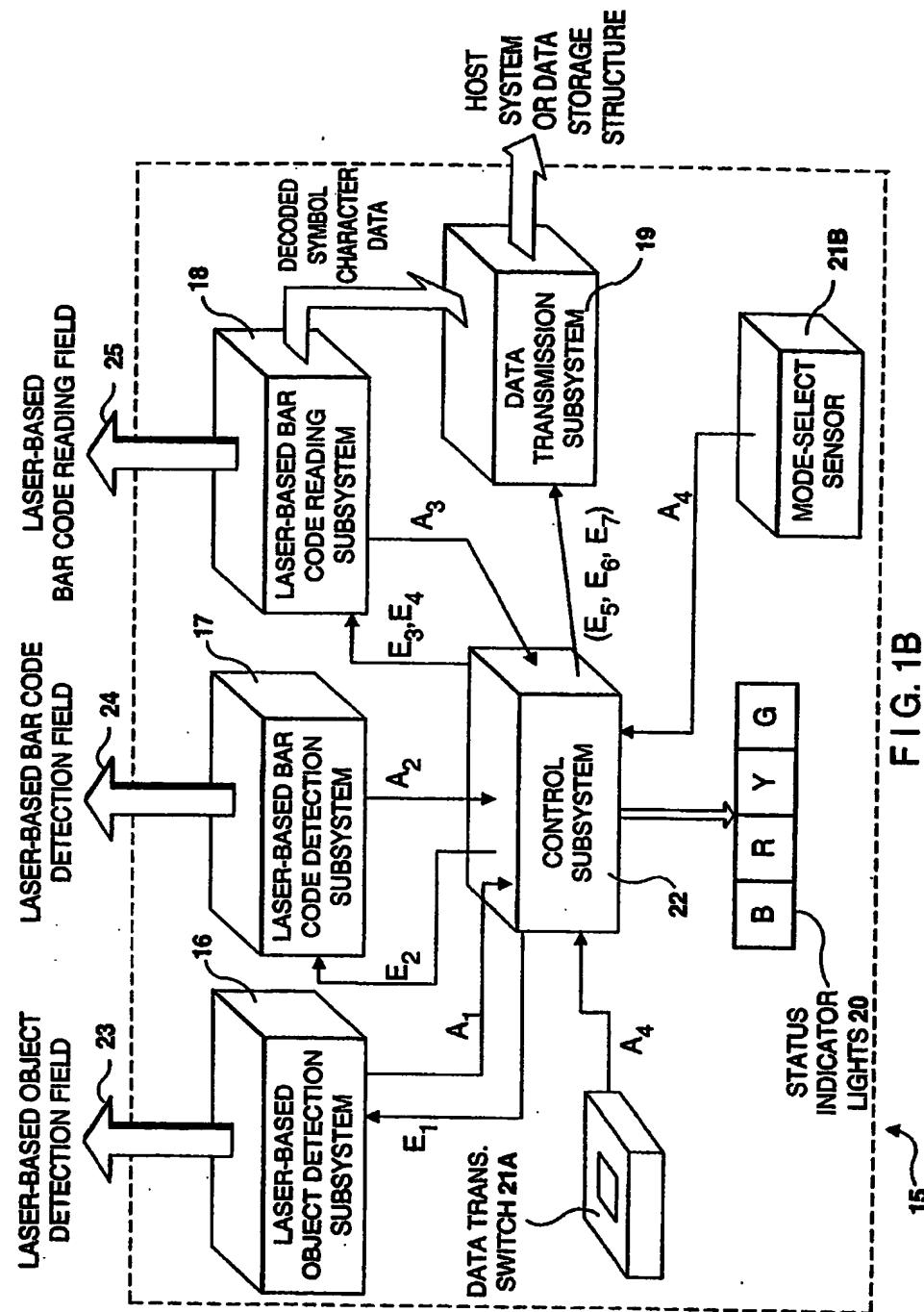


FIG. 1B

15

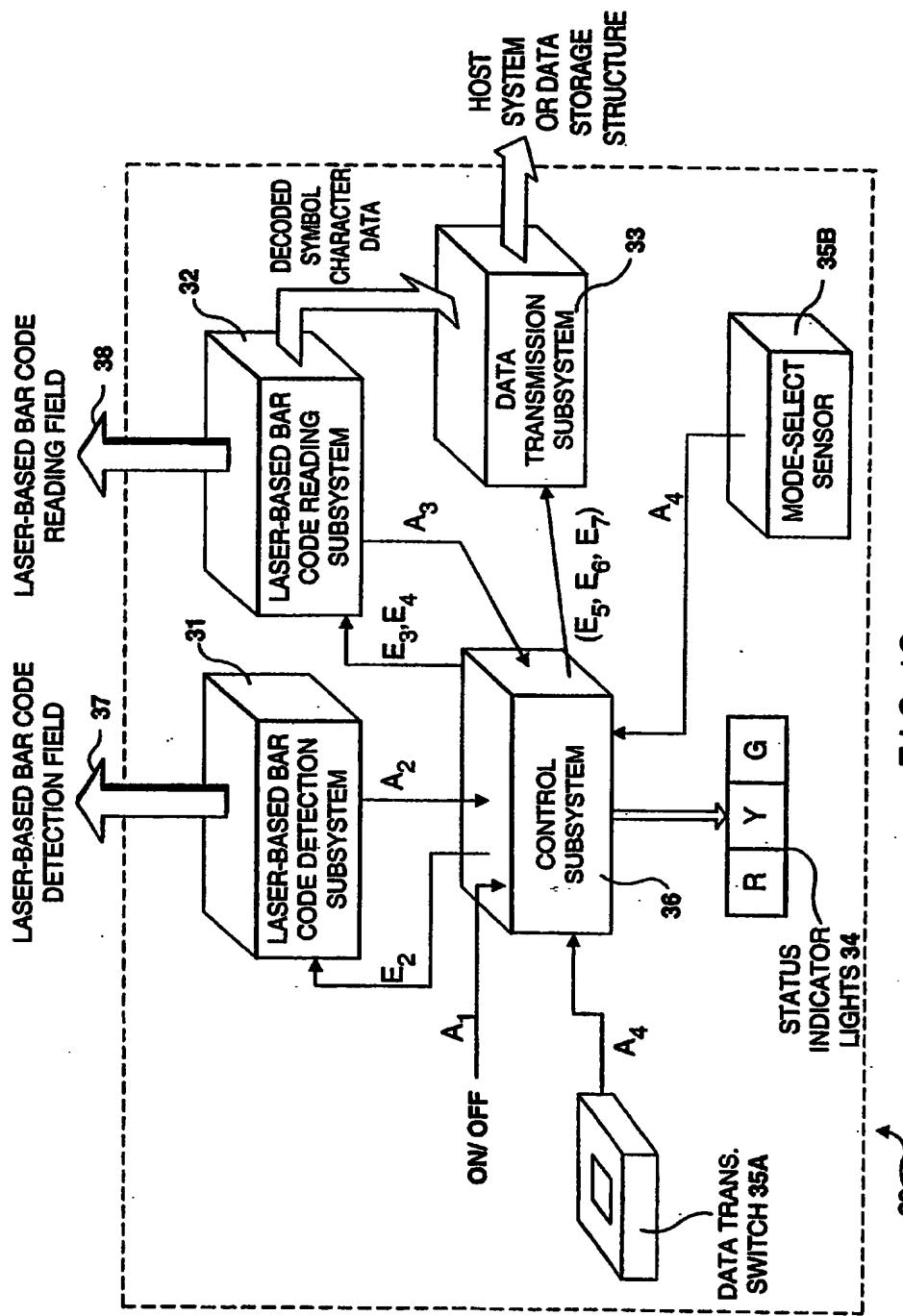


FIG. 1C

30

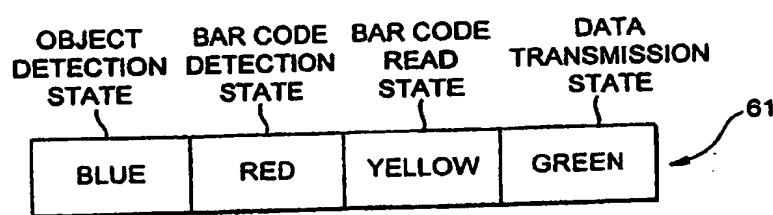
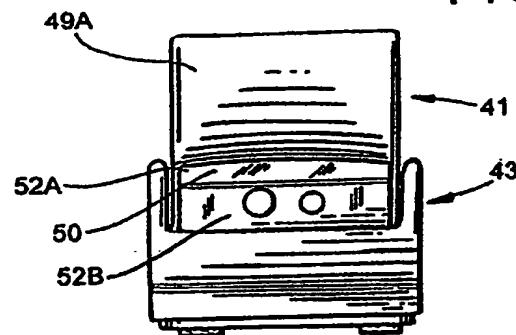
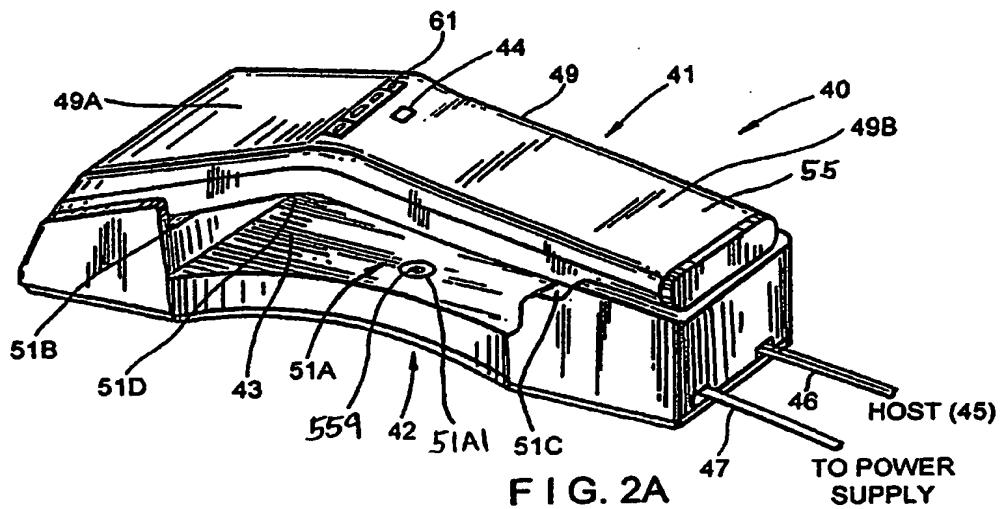


FIG. 2C

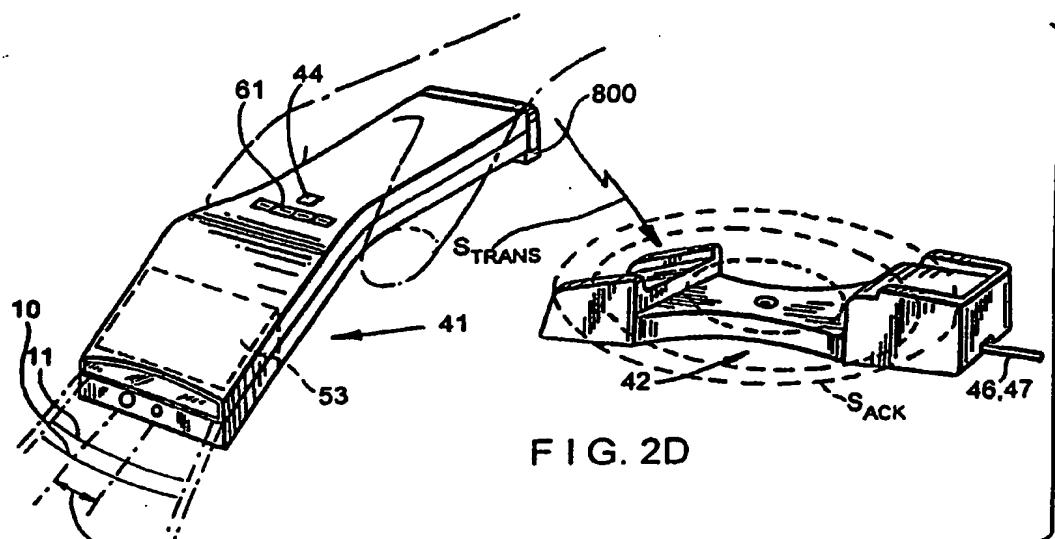


FIG. 2D

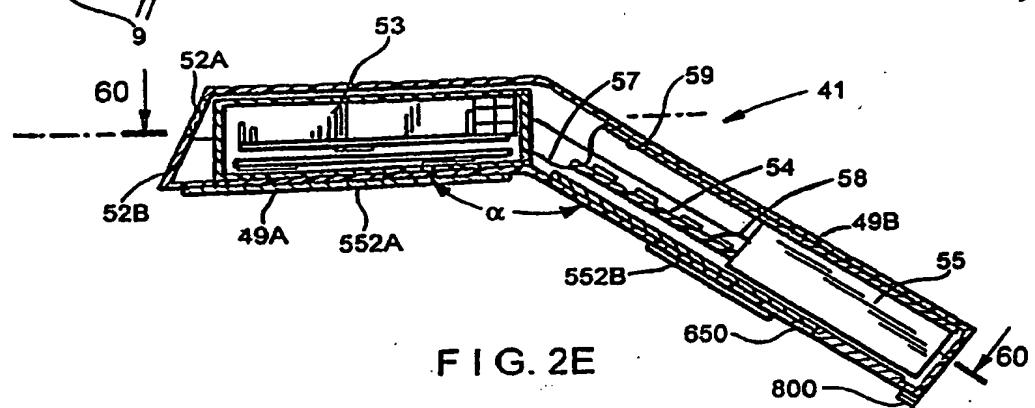


FIG. 2E

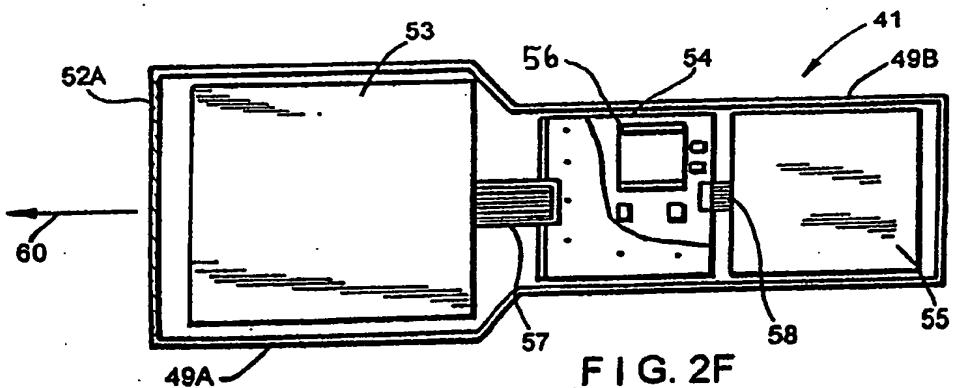
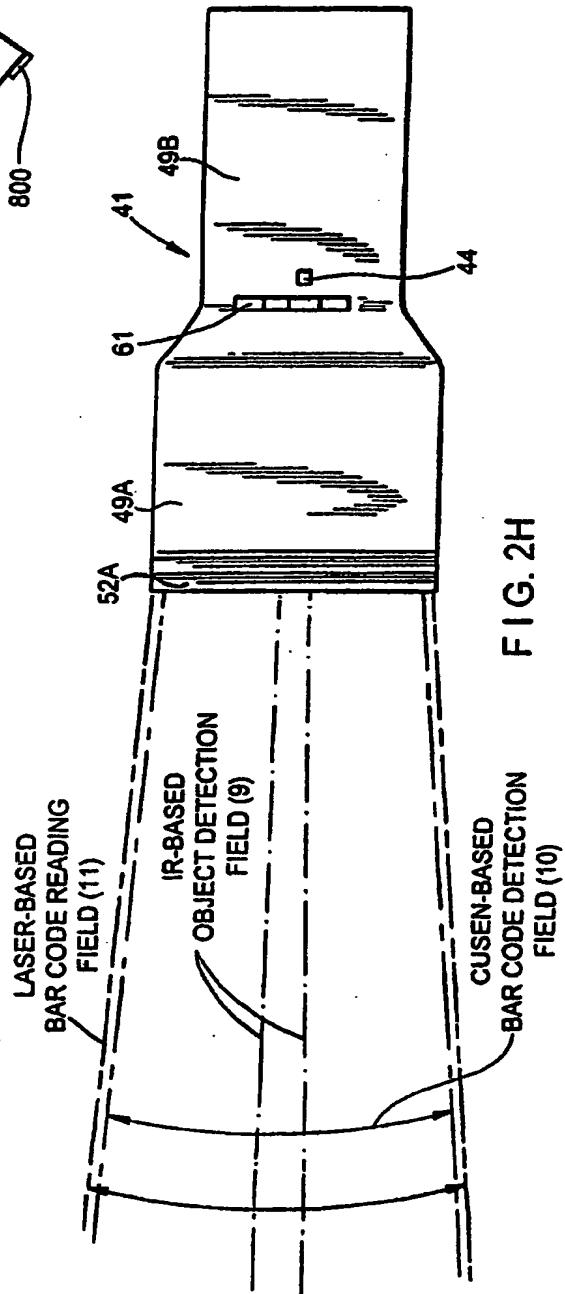
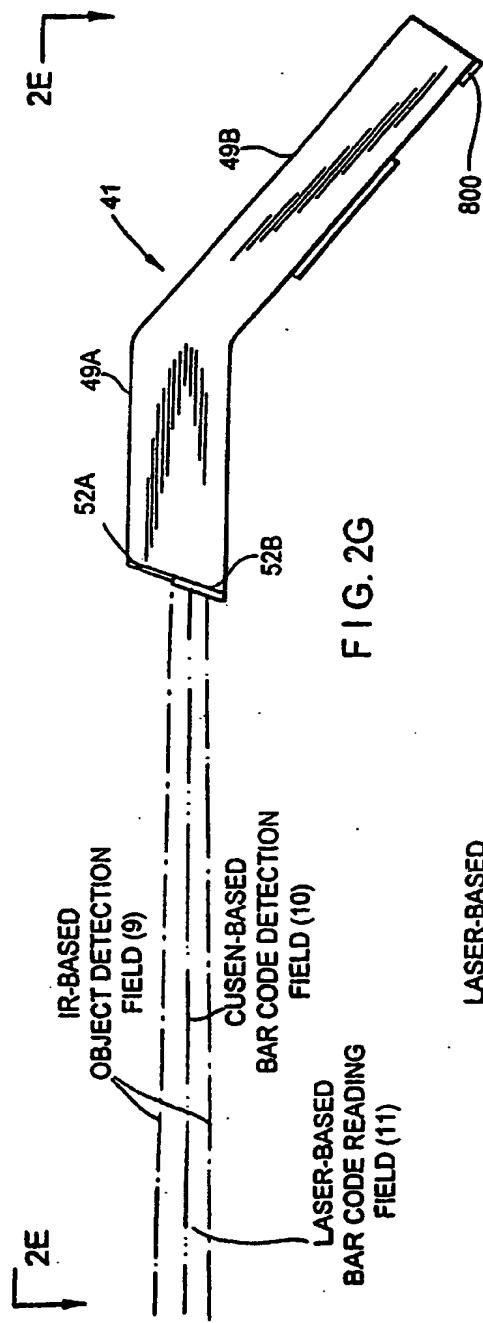


FIG. 2F



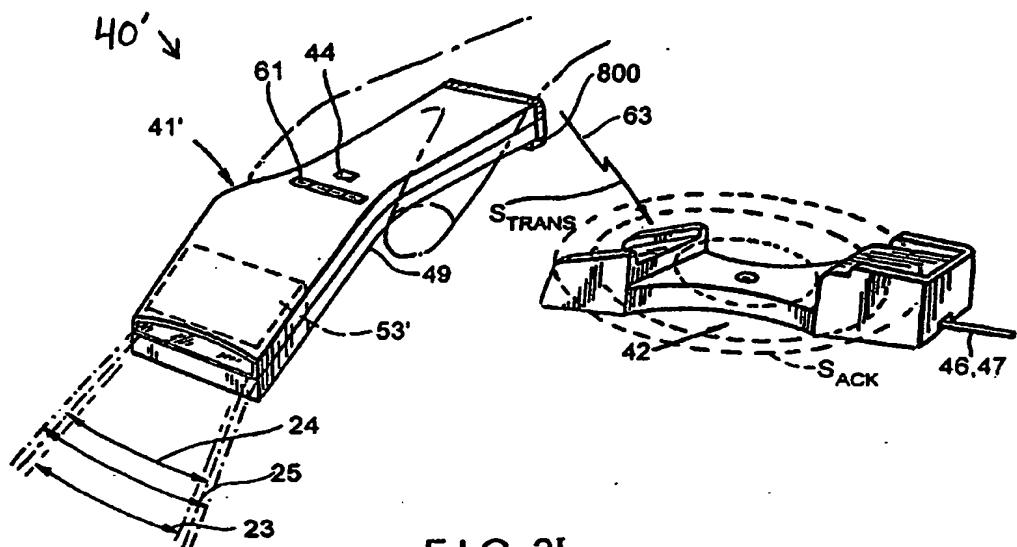


FIG. 2I

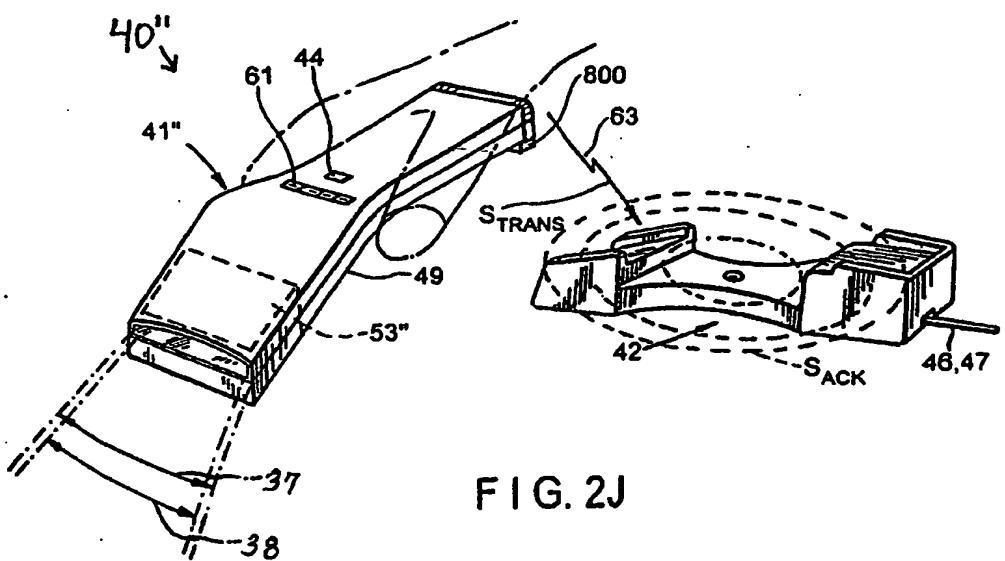
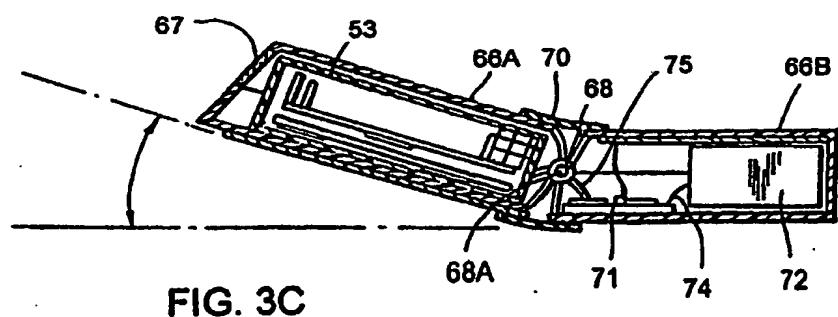
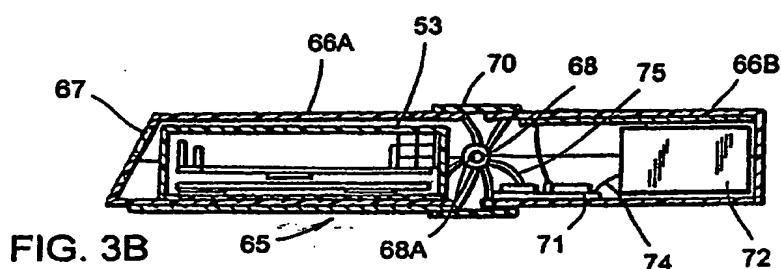
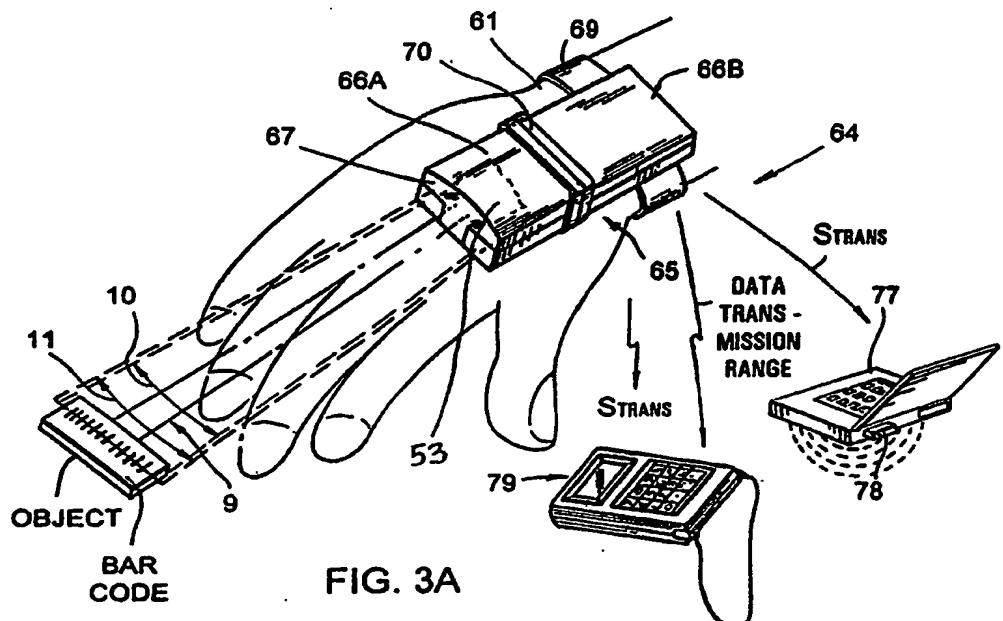


FIG. 2J



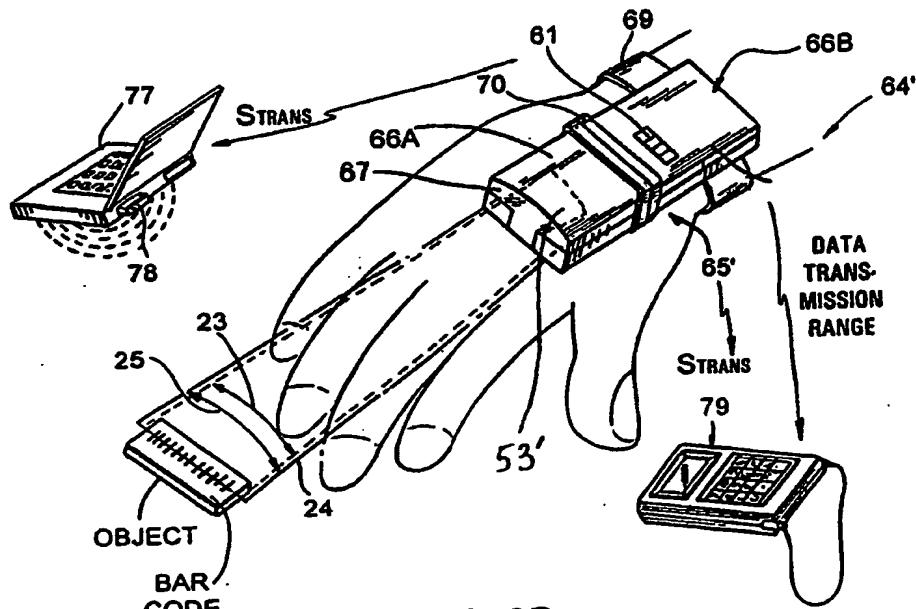


FIG. 3D

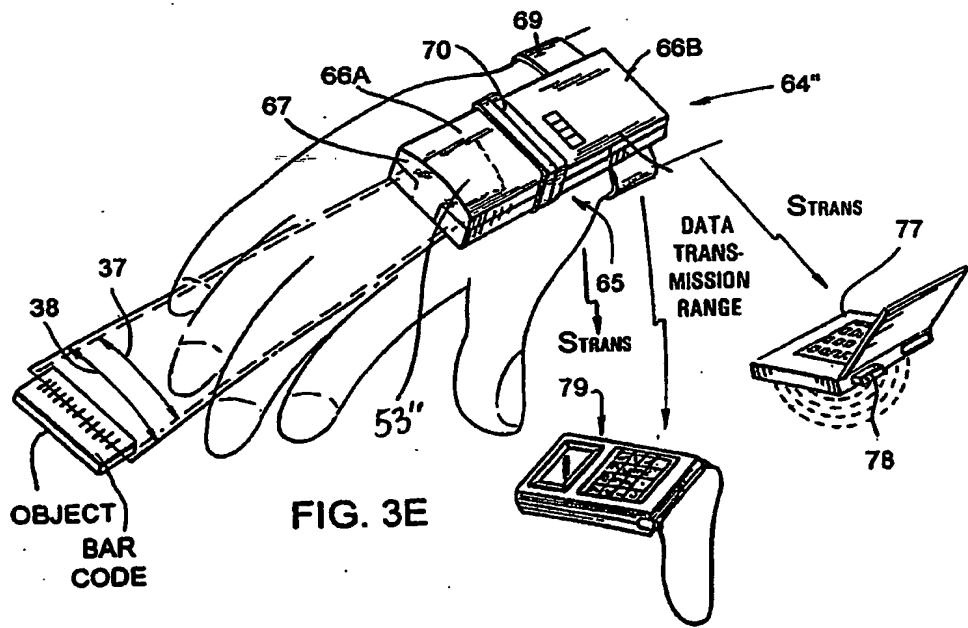
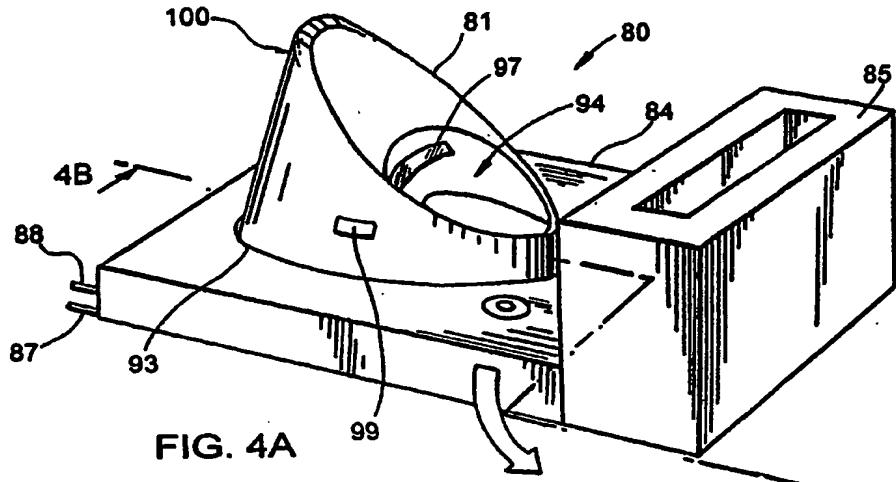


FIG. 3E



**FIG. 4A**

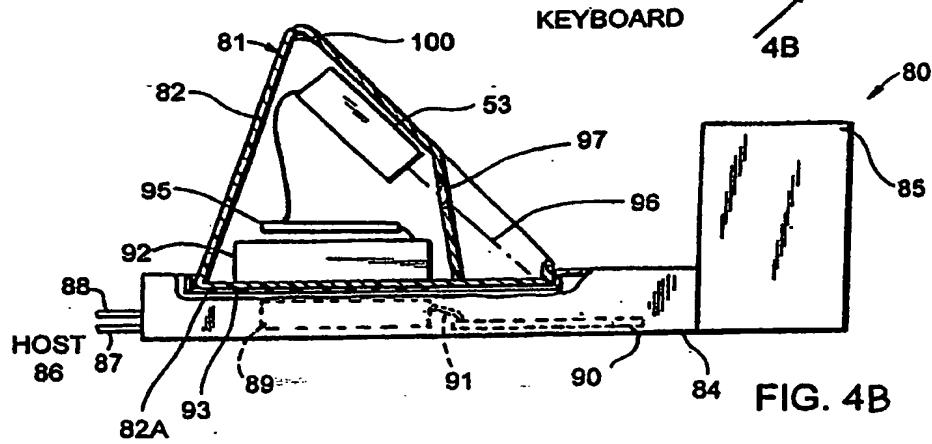
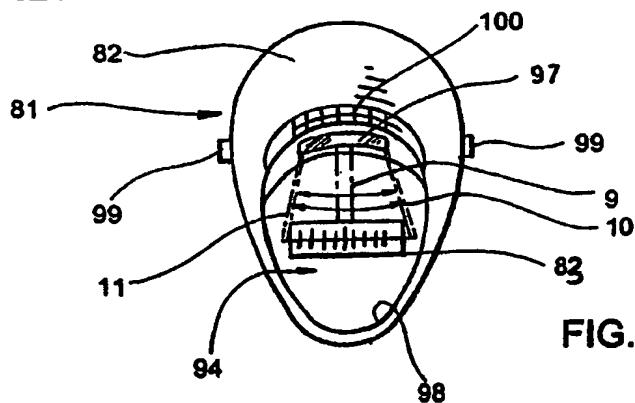
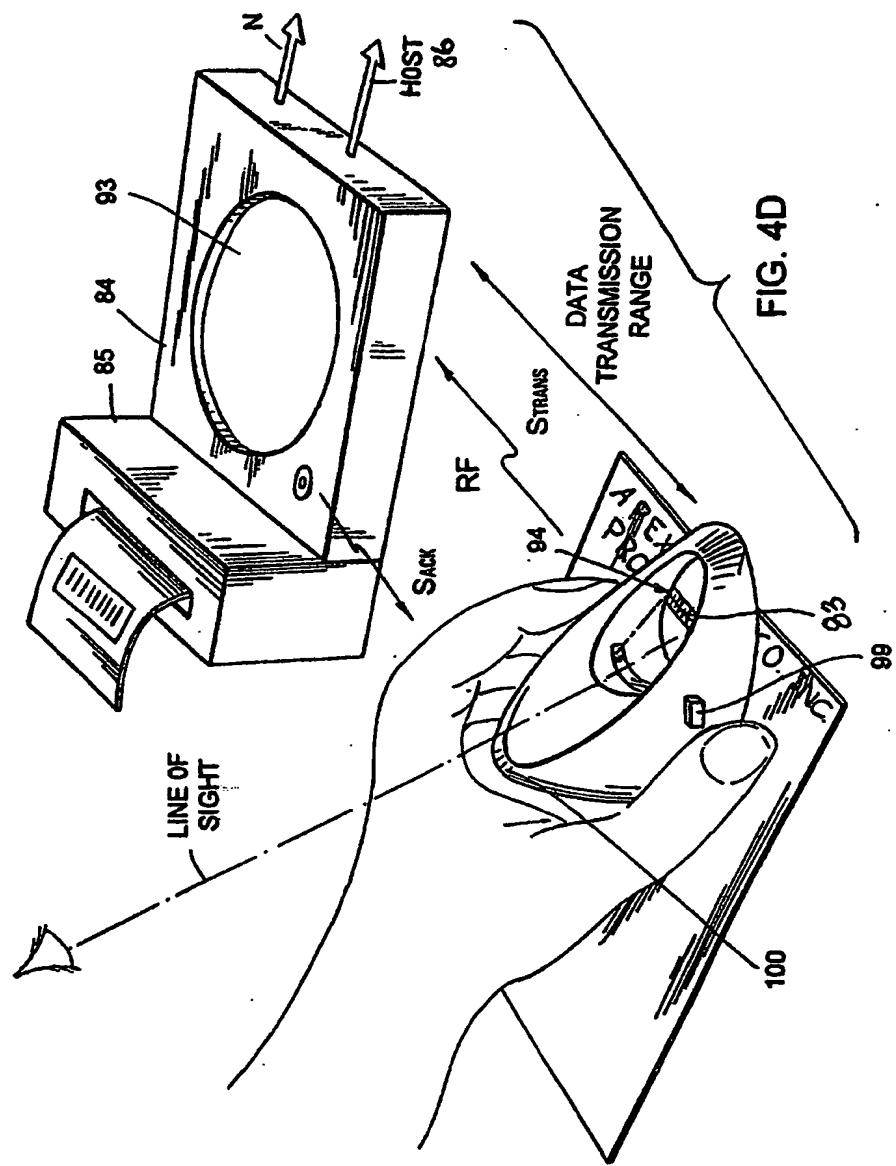


FIG. 4B





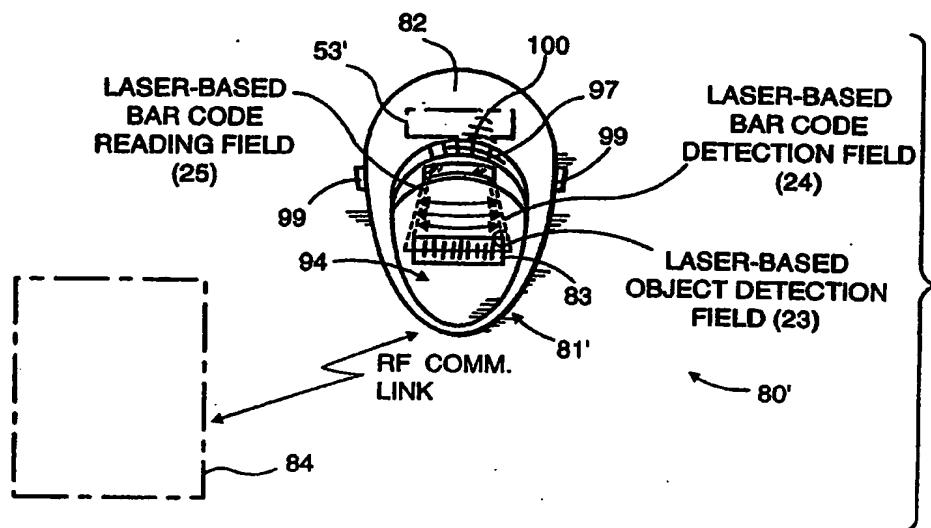


FIG. 4E

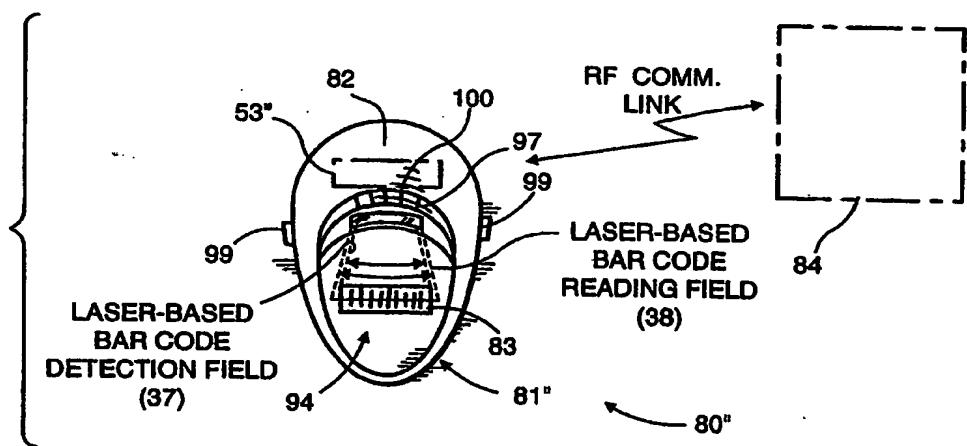


FIG. 4F

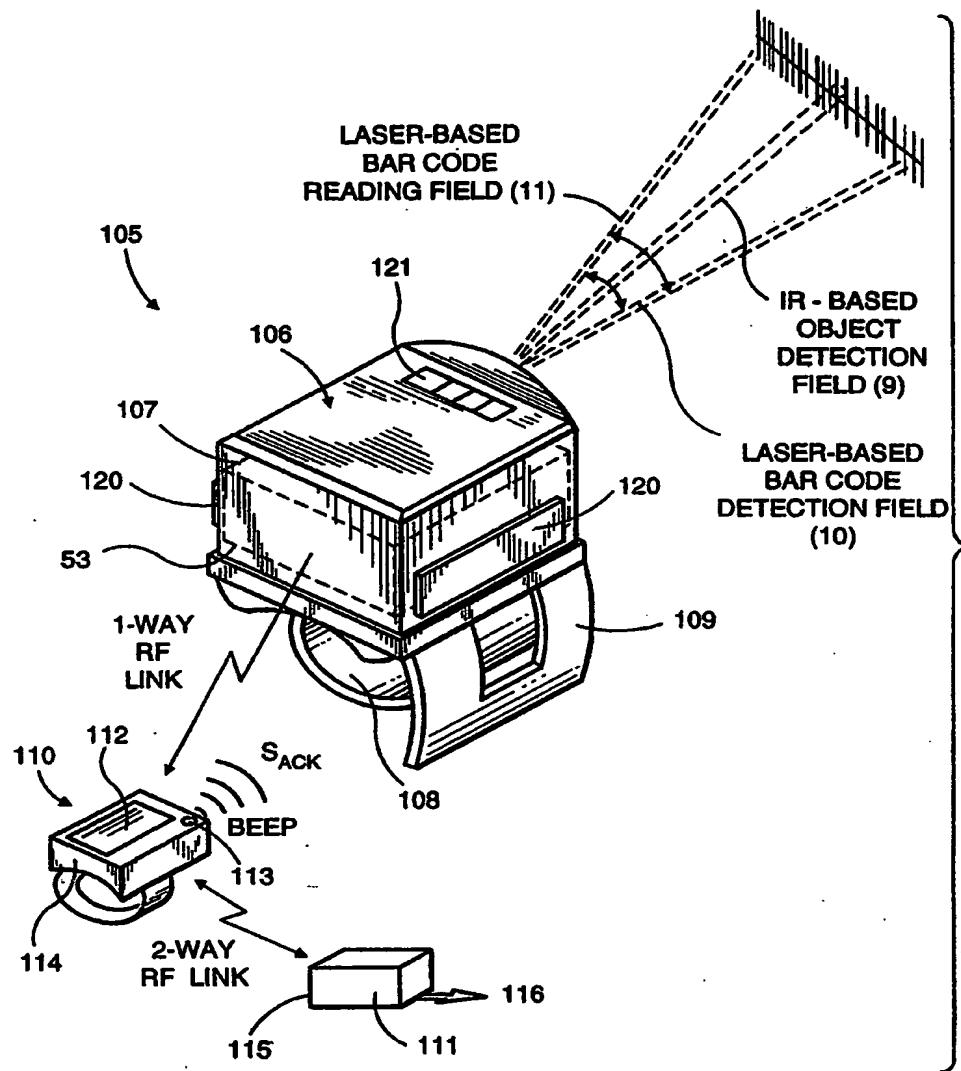


FIG. 5A

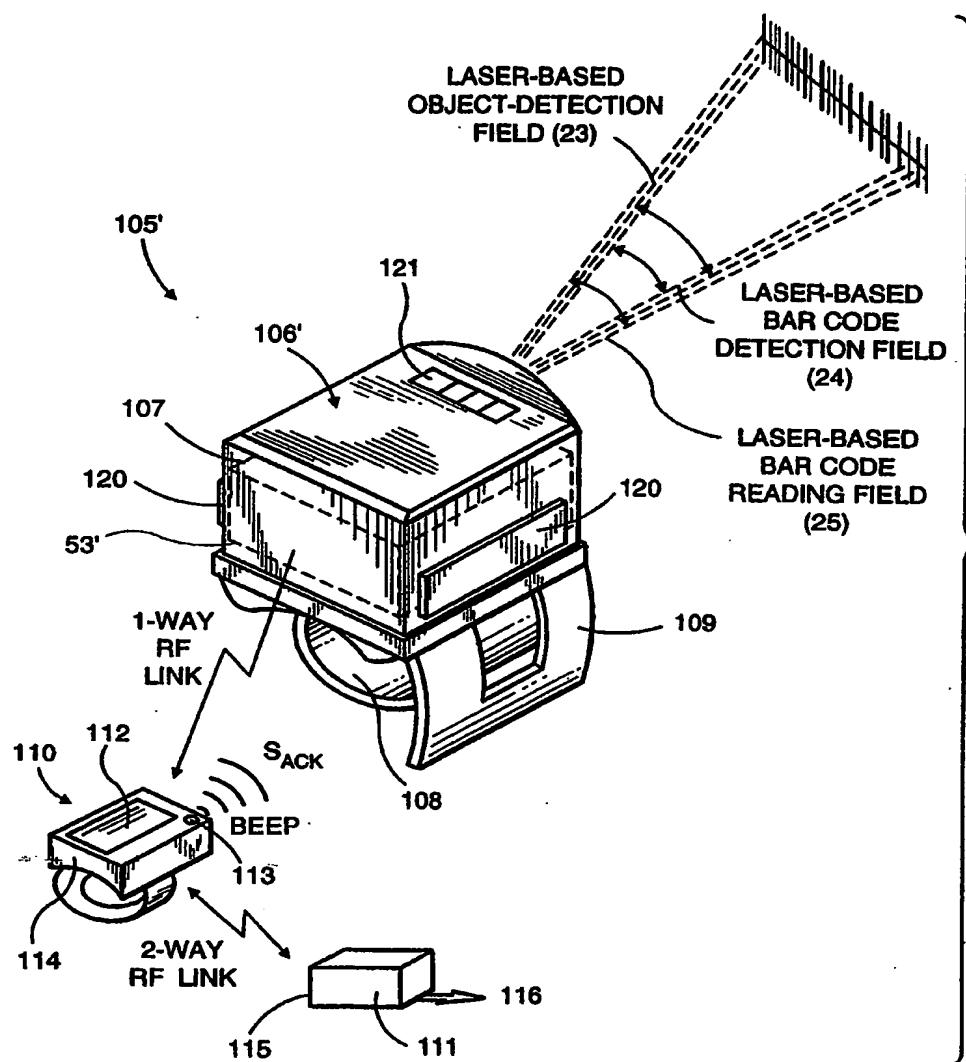


FIG. 5B

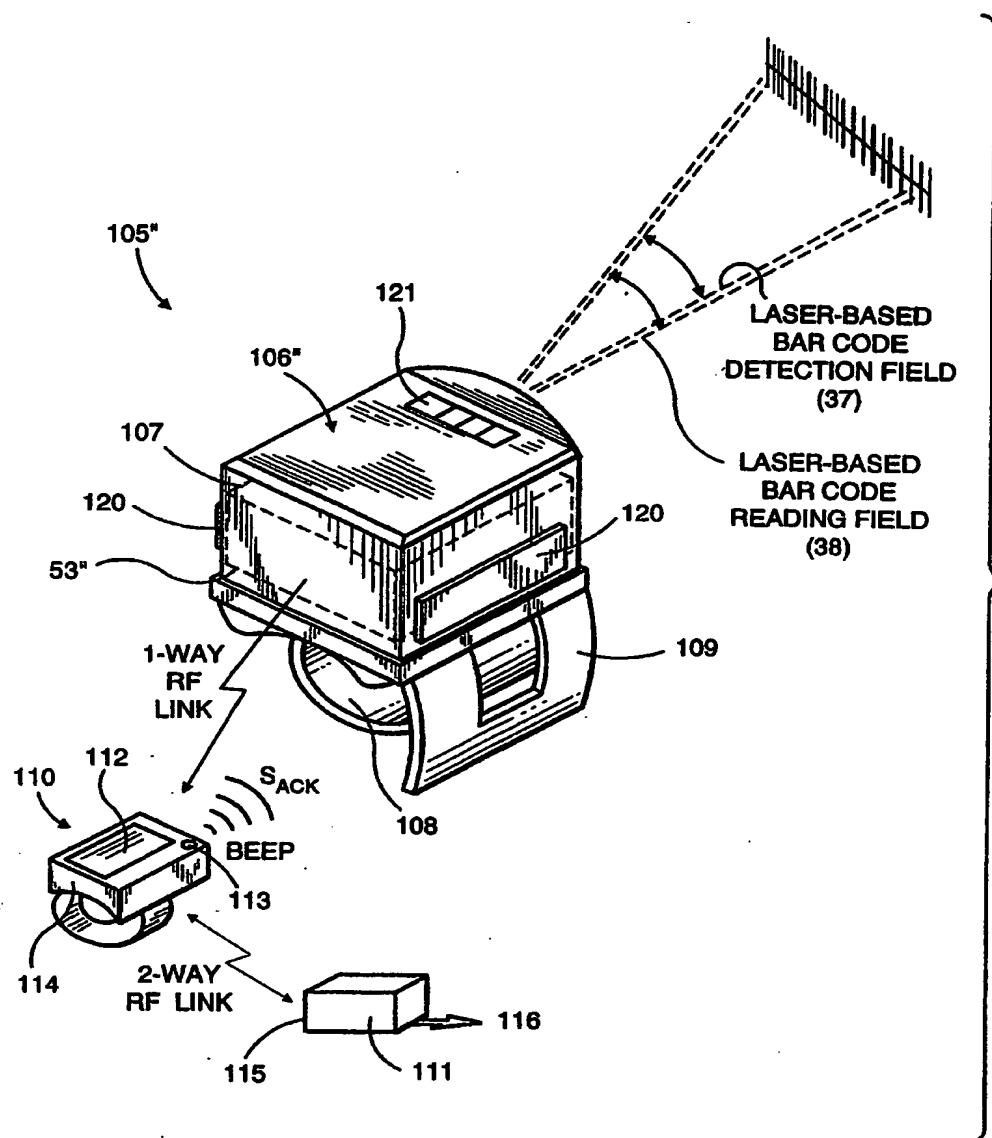


FIG. 5C

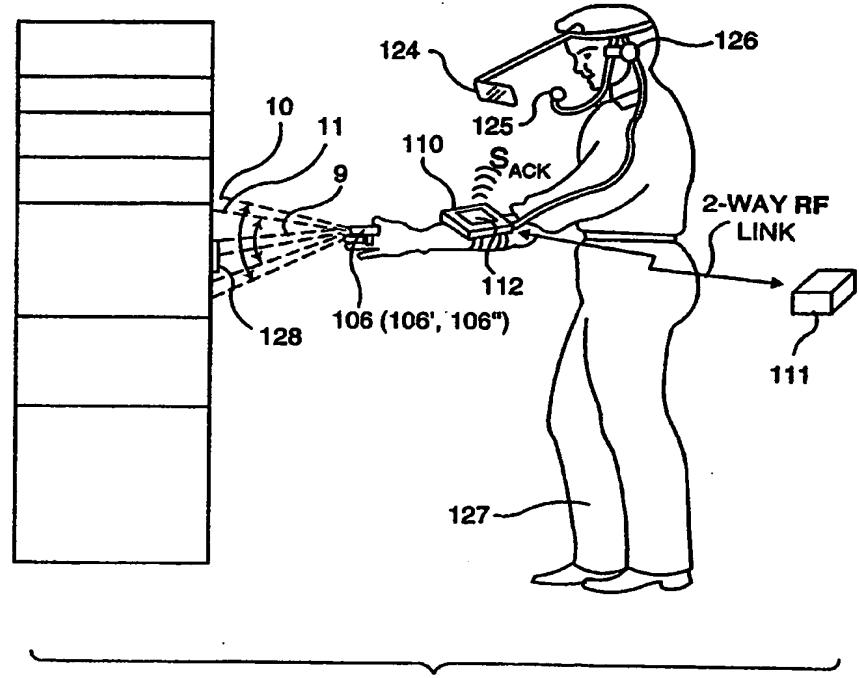


FIG. 5D

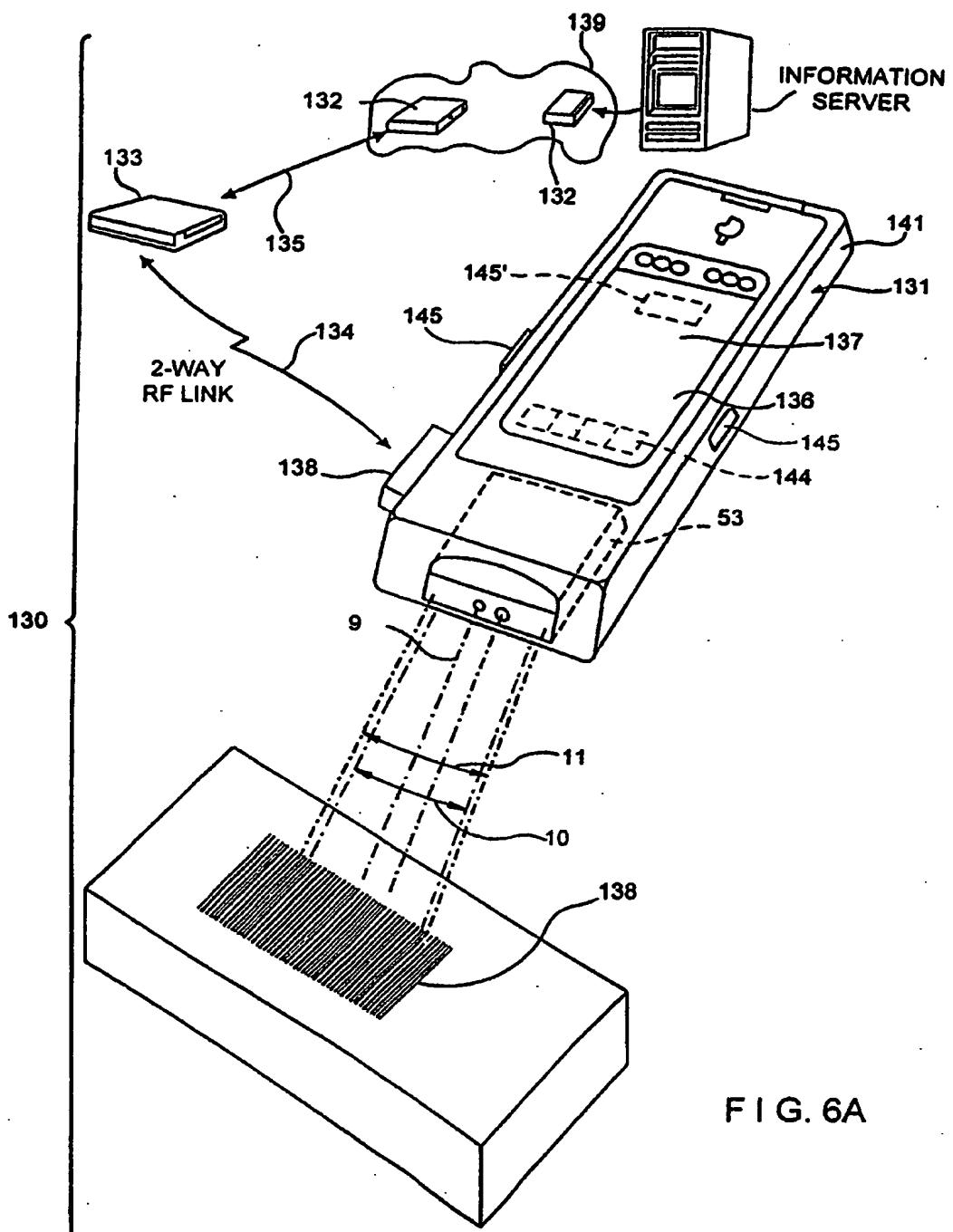
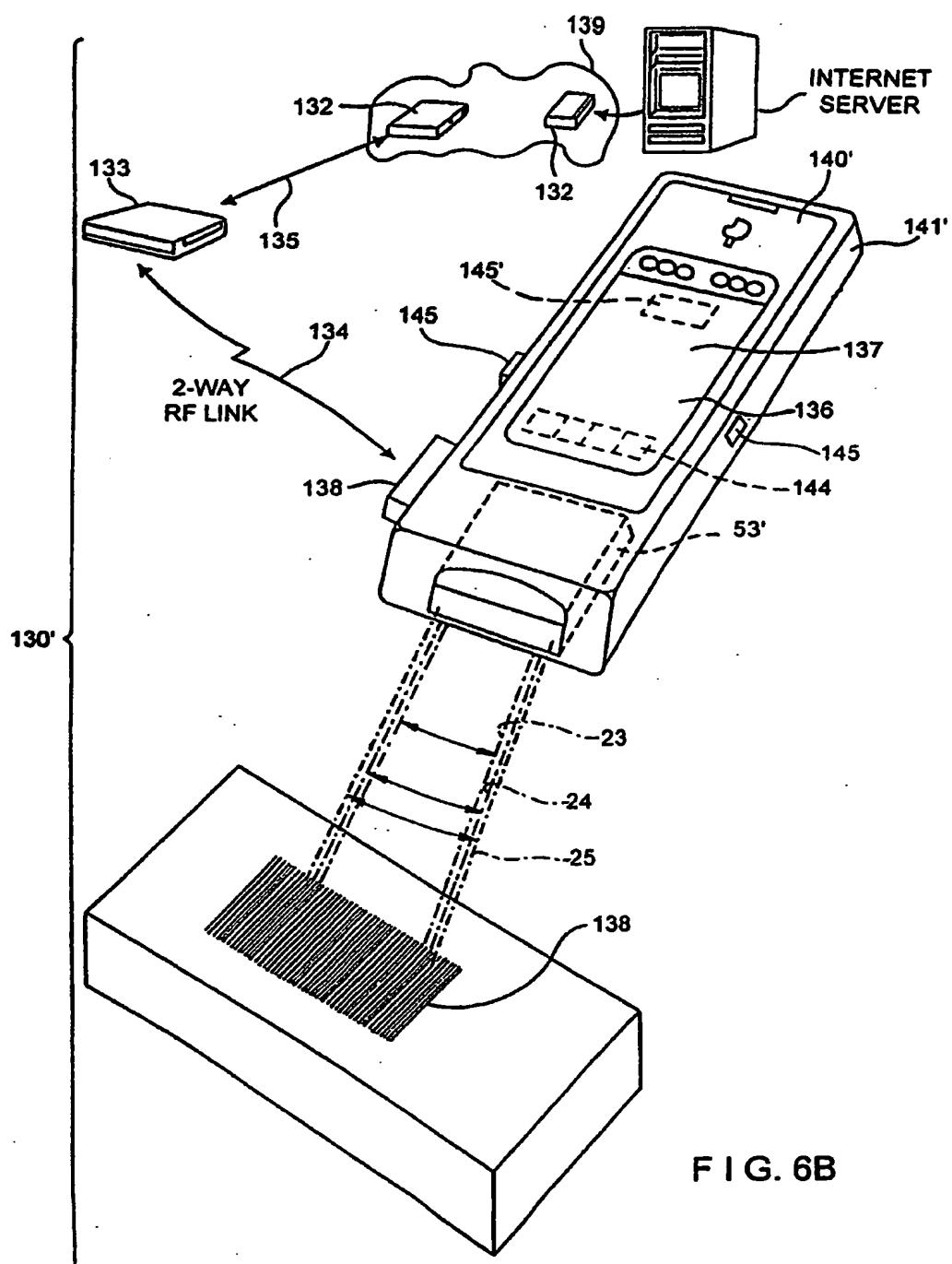


FIG. 6A



F I G. 6B

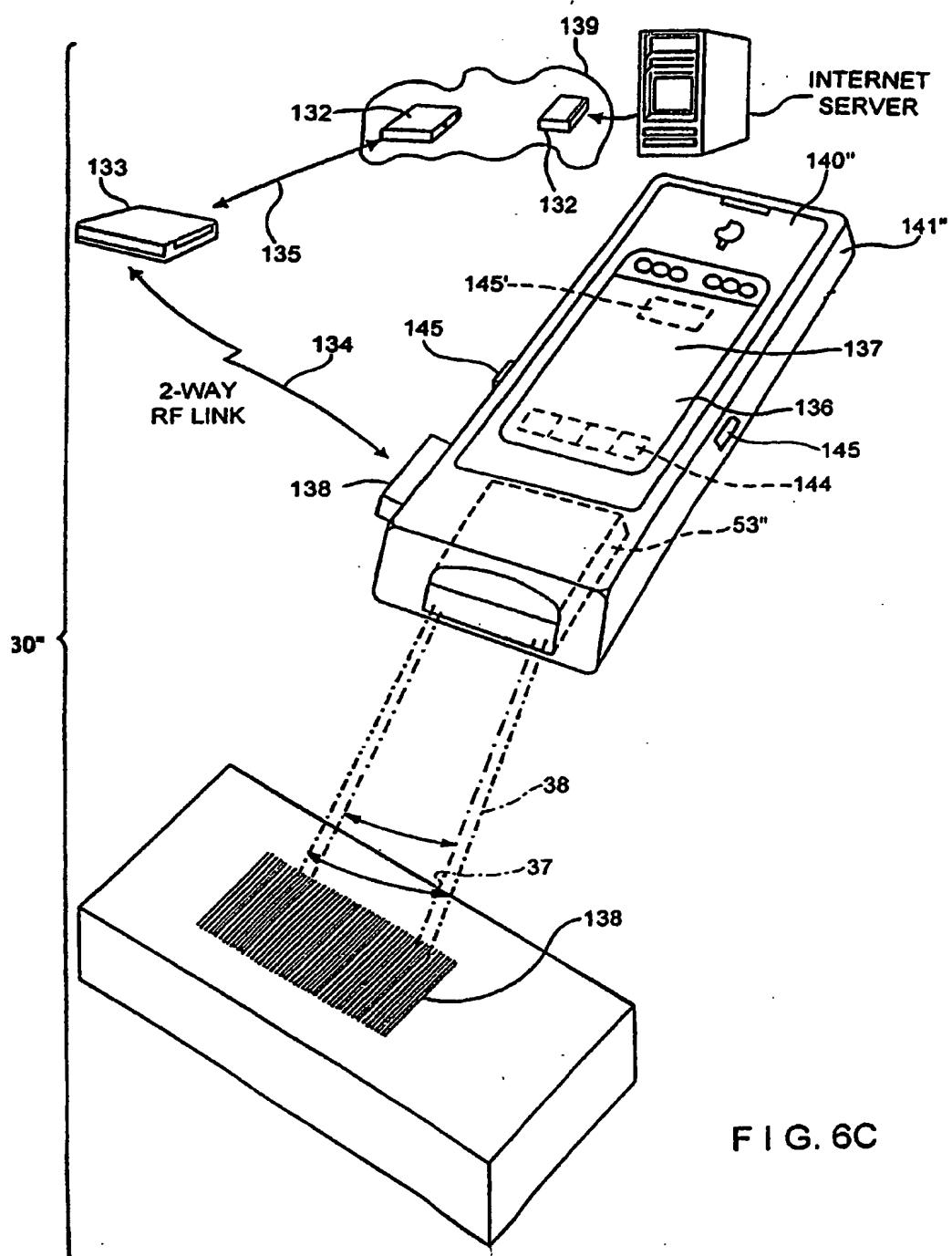


FIG. 6C

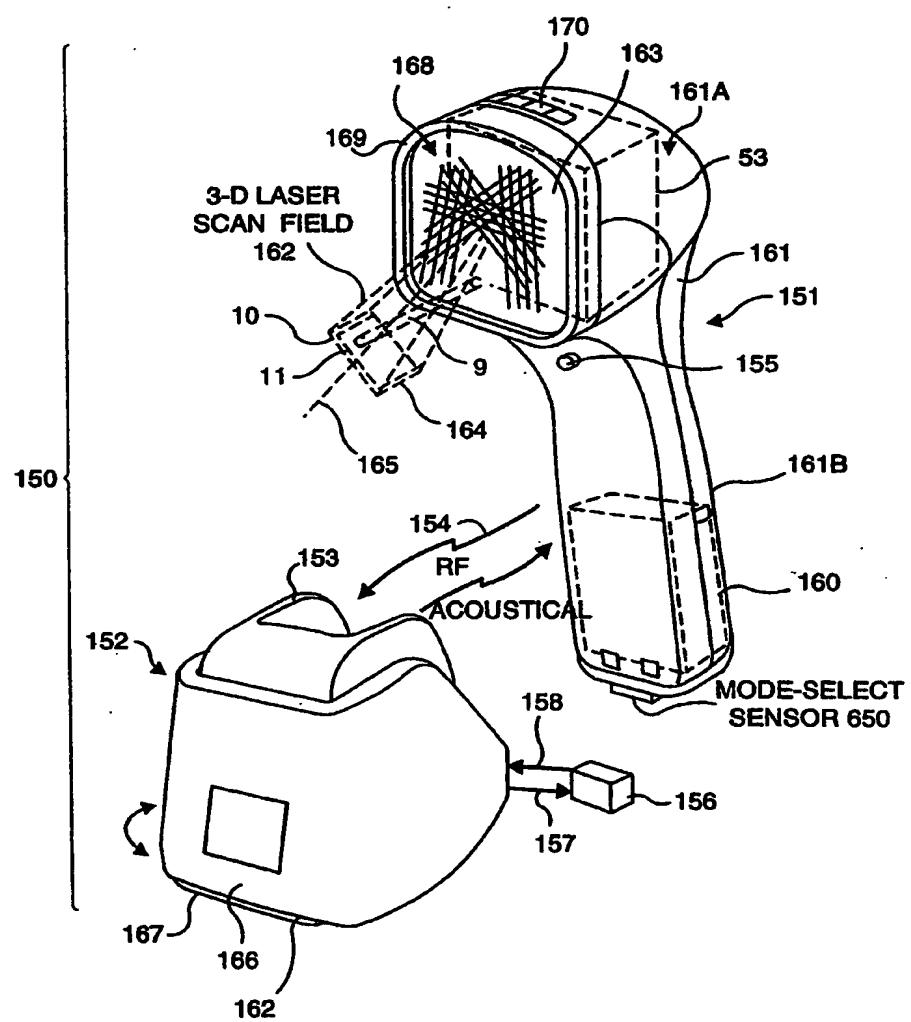


FIG. 7A

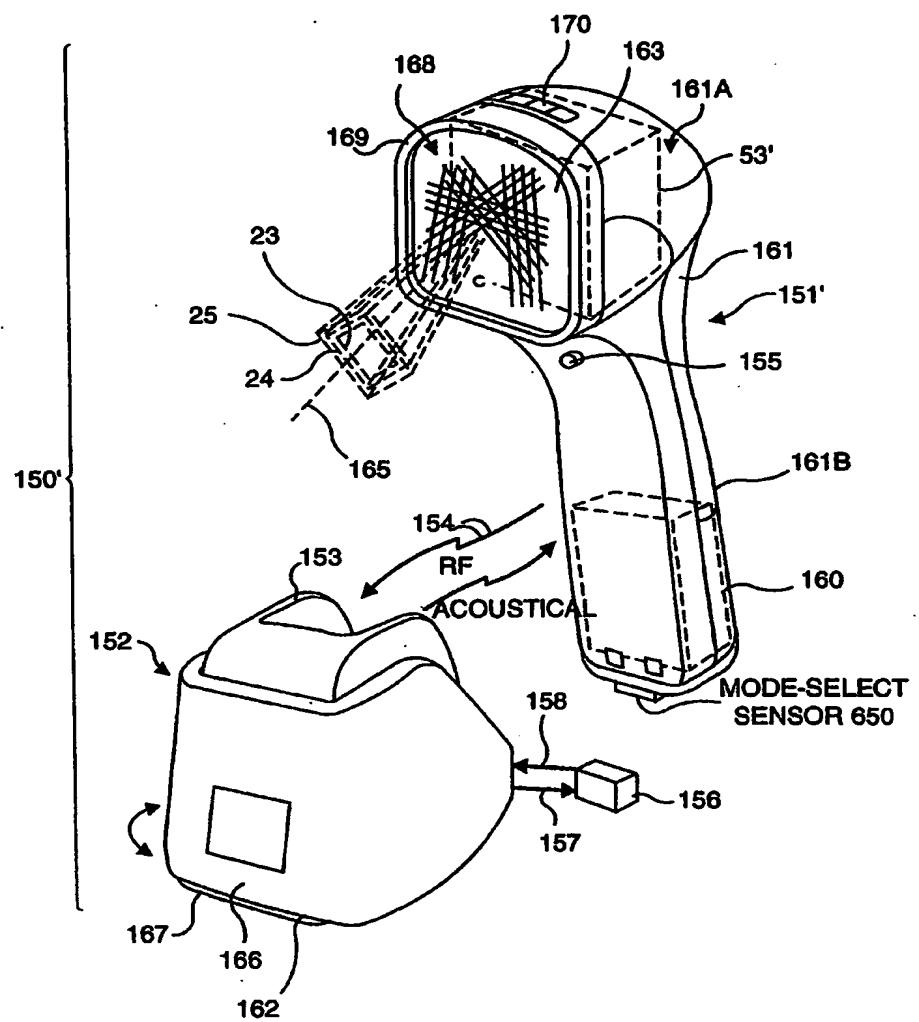


FIG. 7B

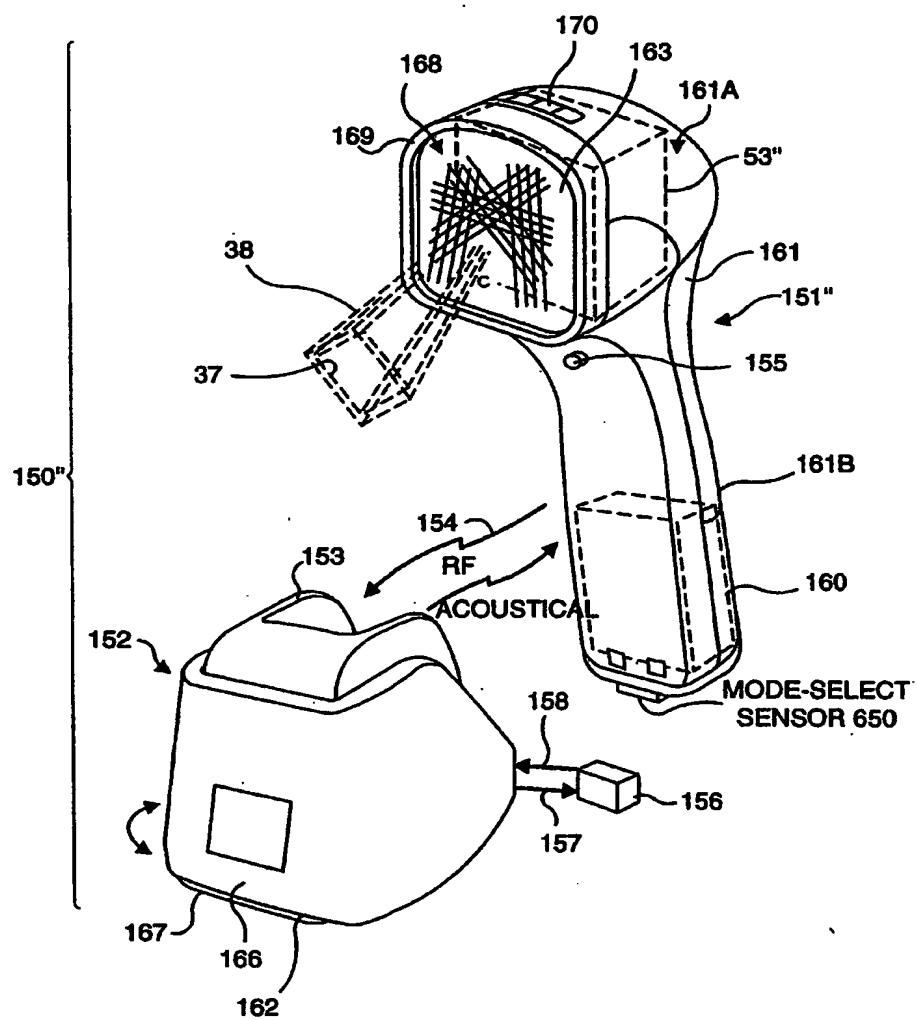


FIG. 7C

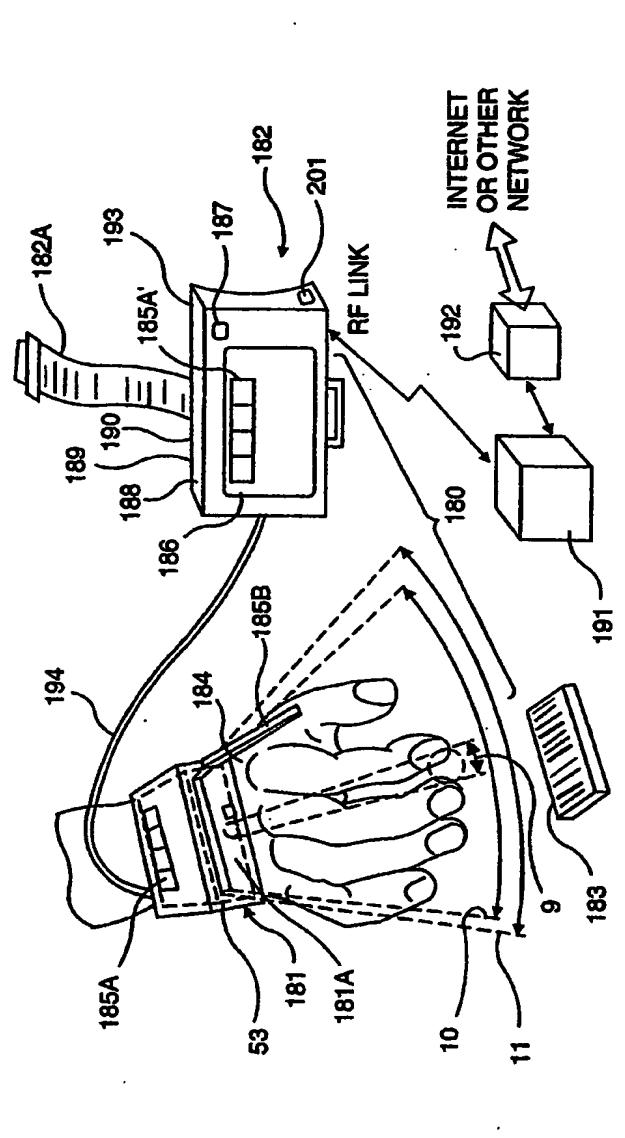


FIG. 8A

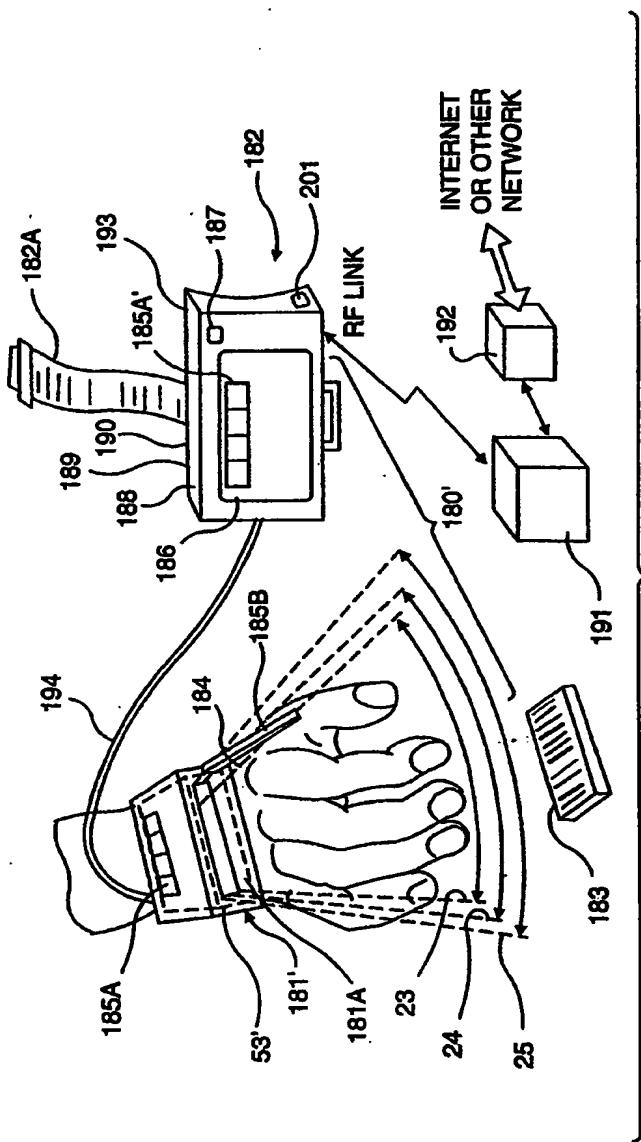


FIG. 8B

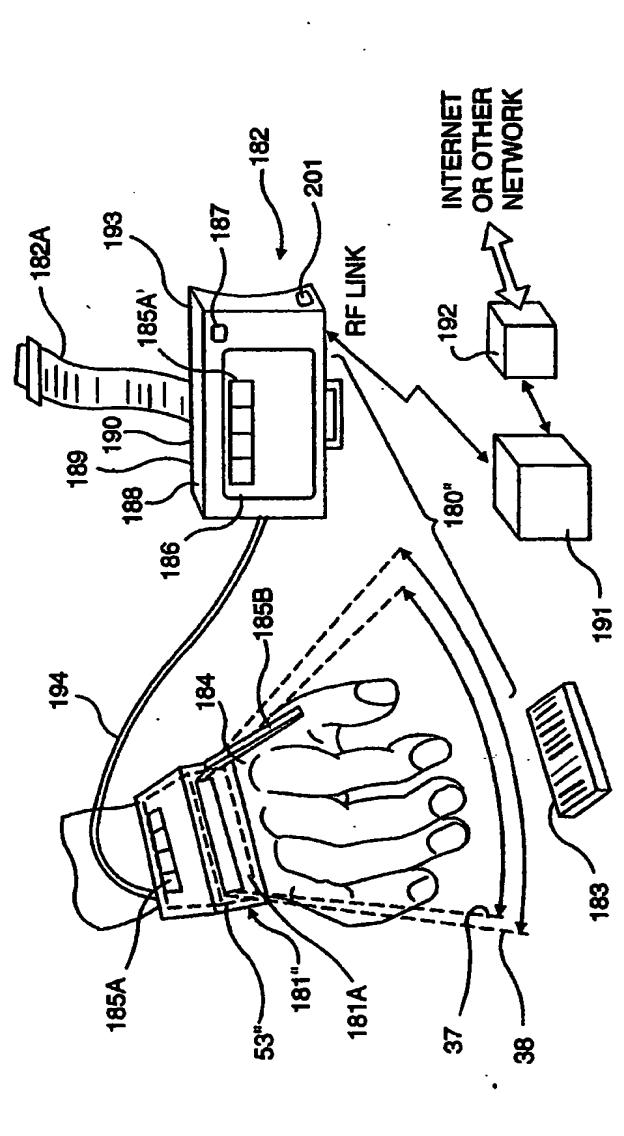


FIG. 8C

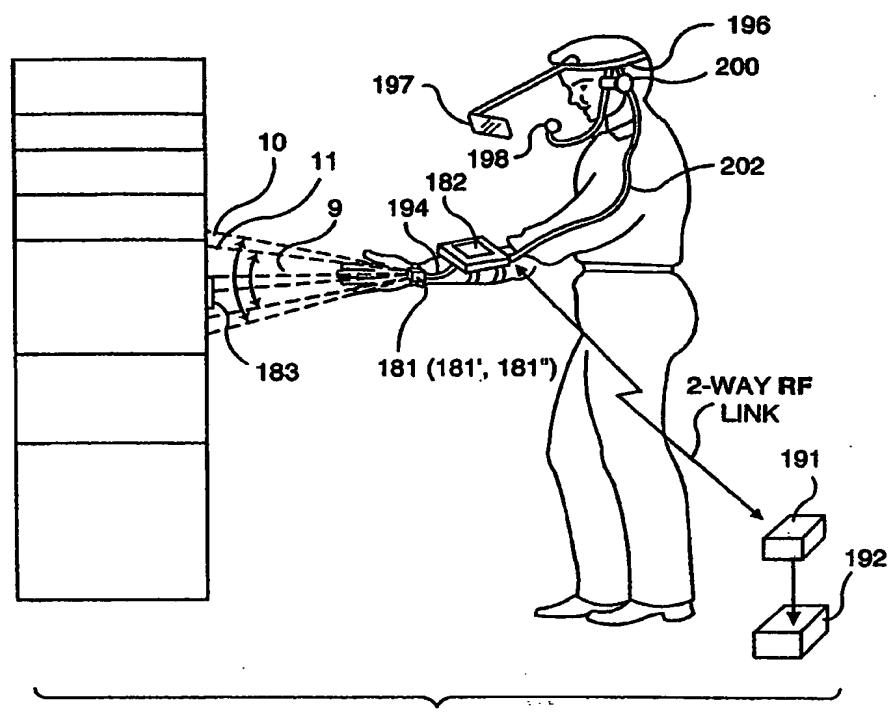
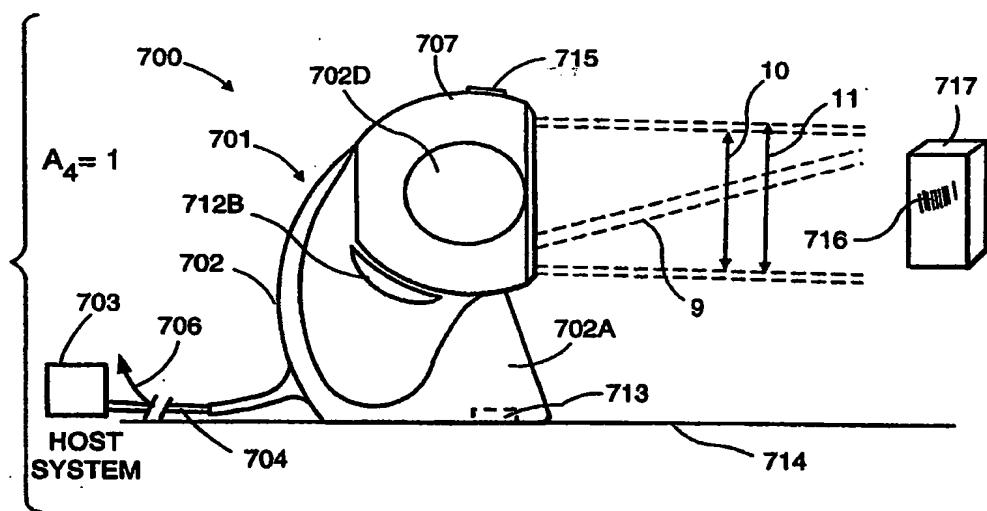
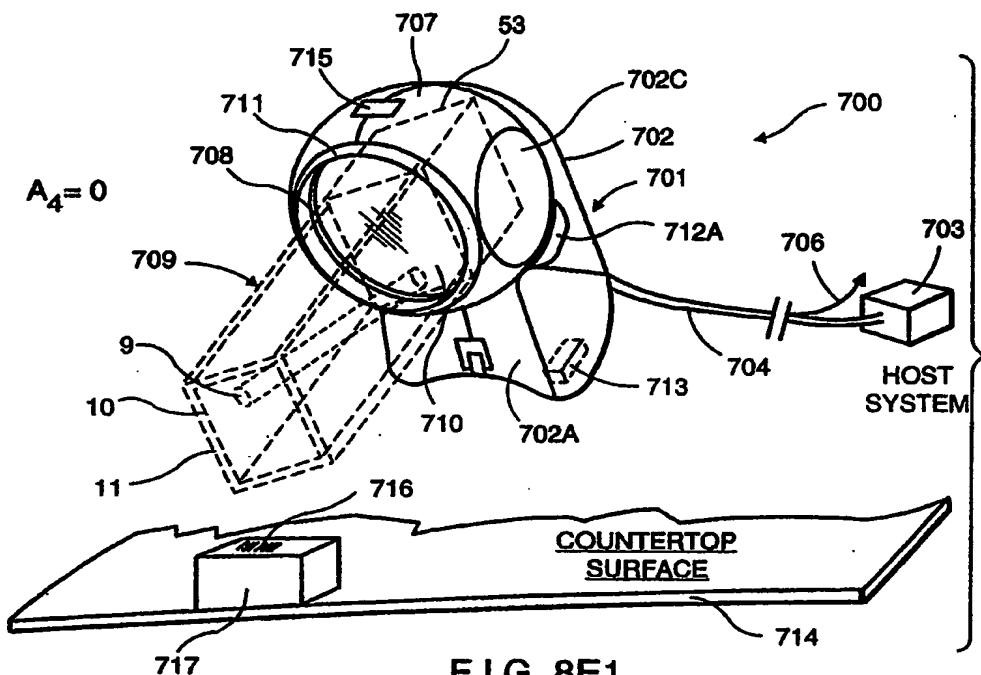


FIG. 8D



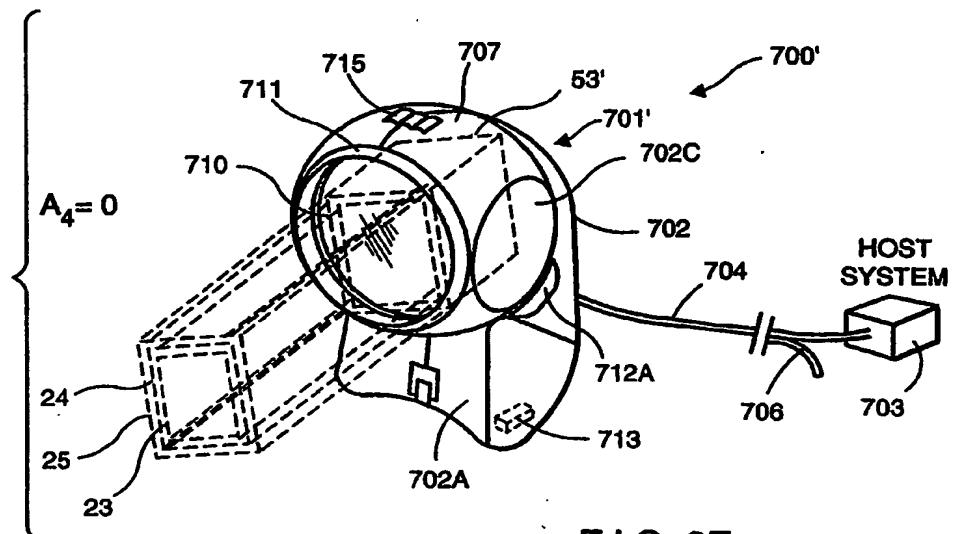


FIG. 8F

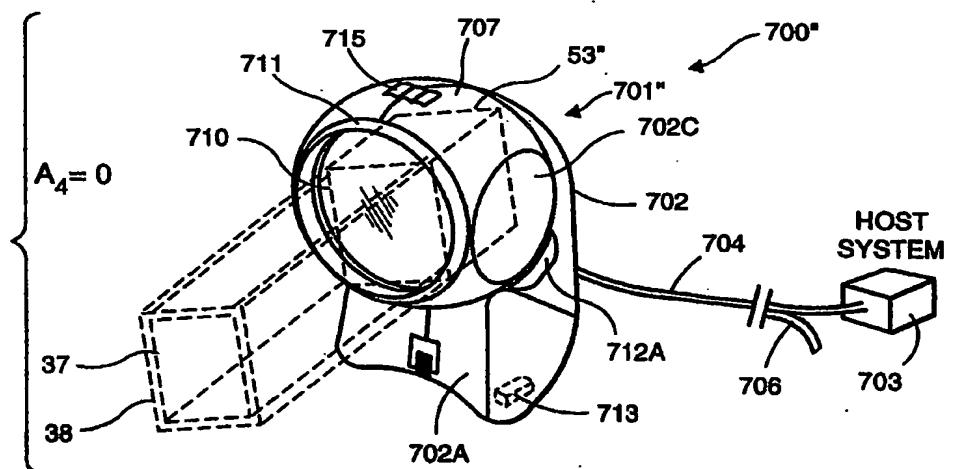


FIG. 8G

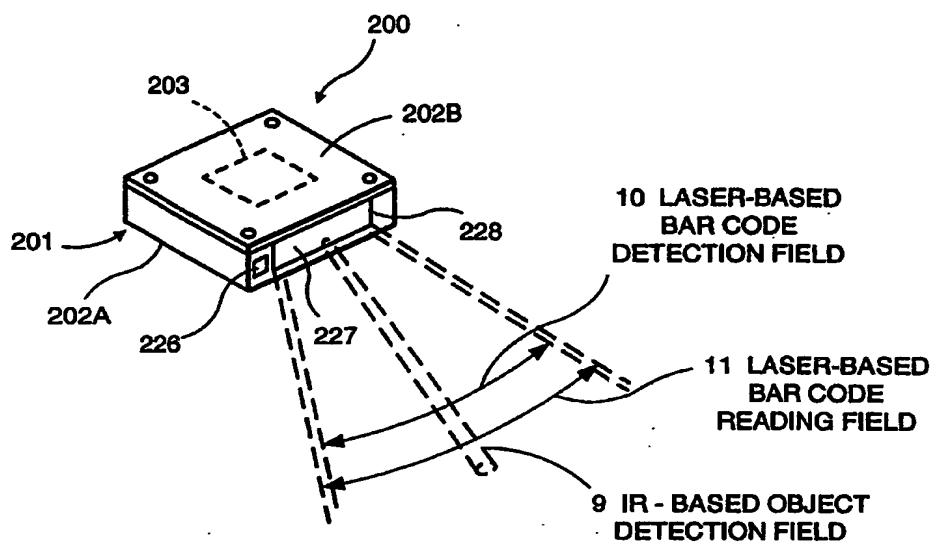


FIG. 9A

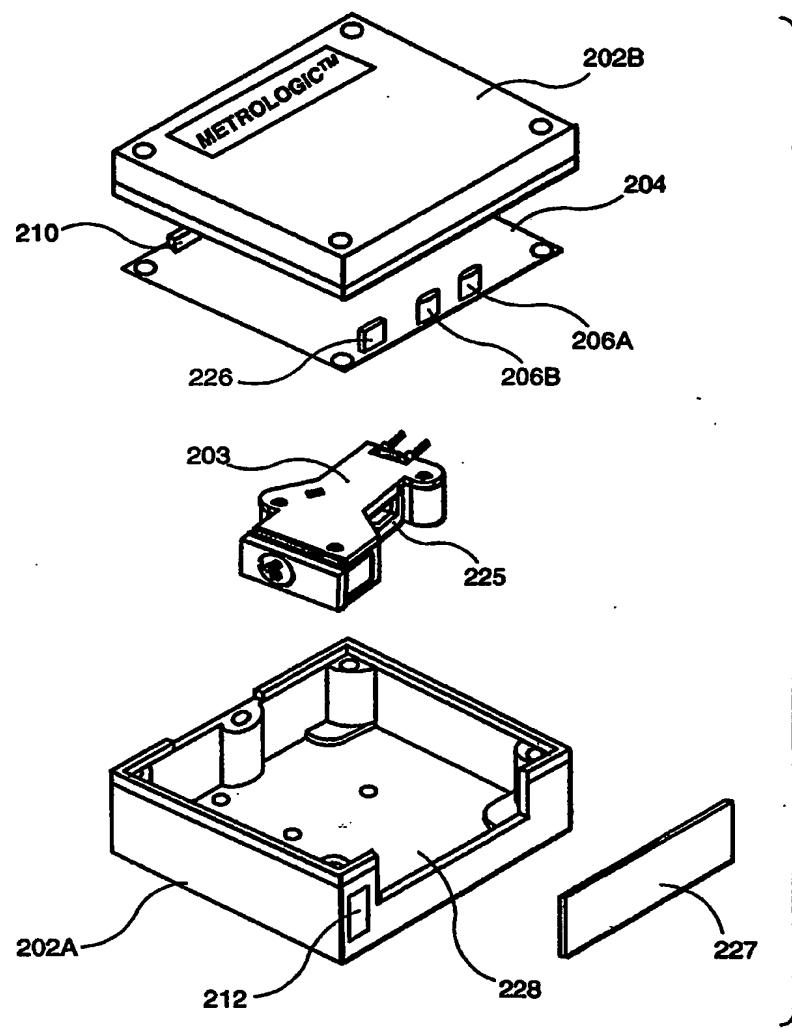


FIG. 9B

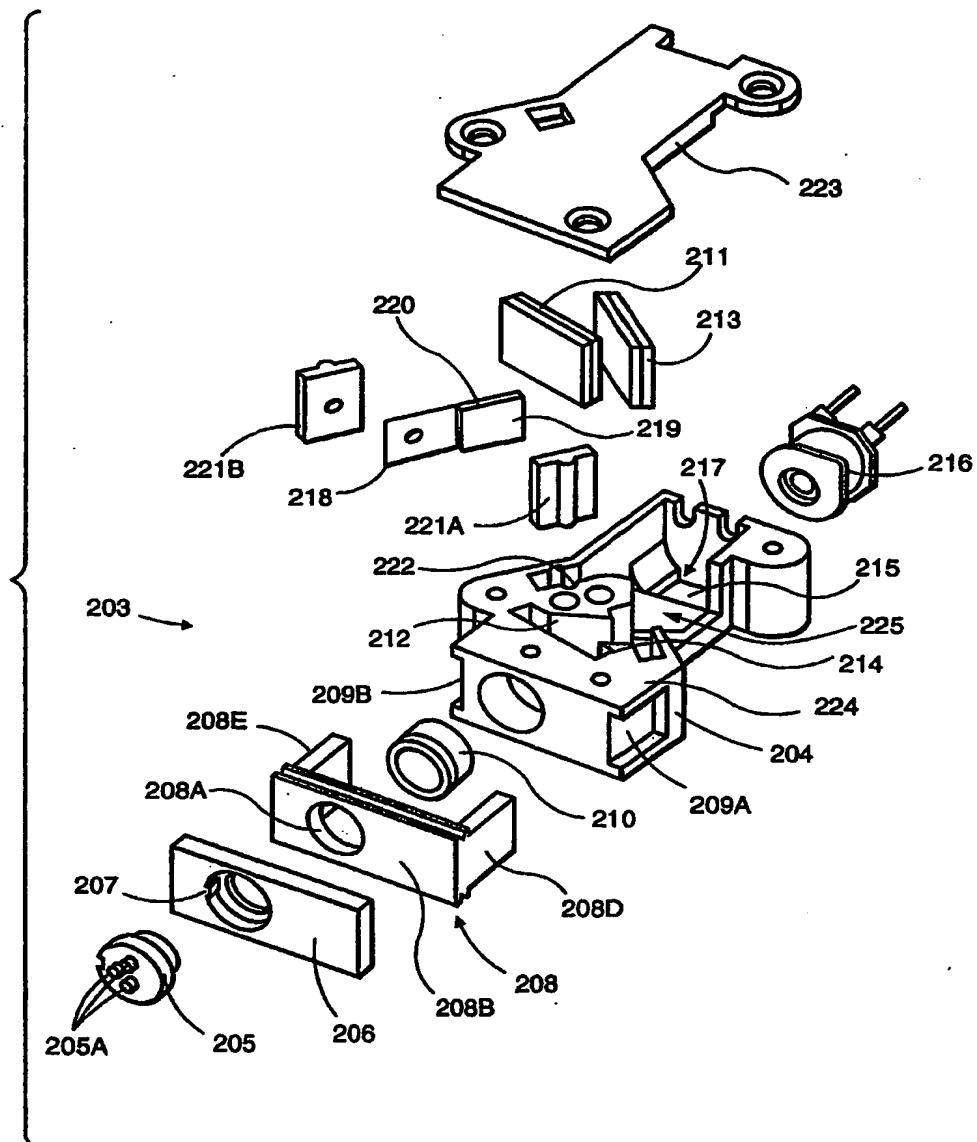


FIG. 9C

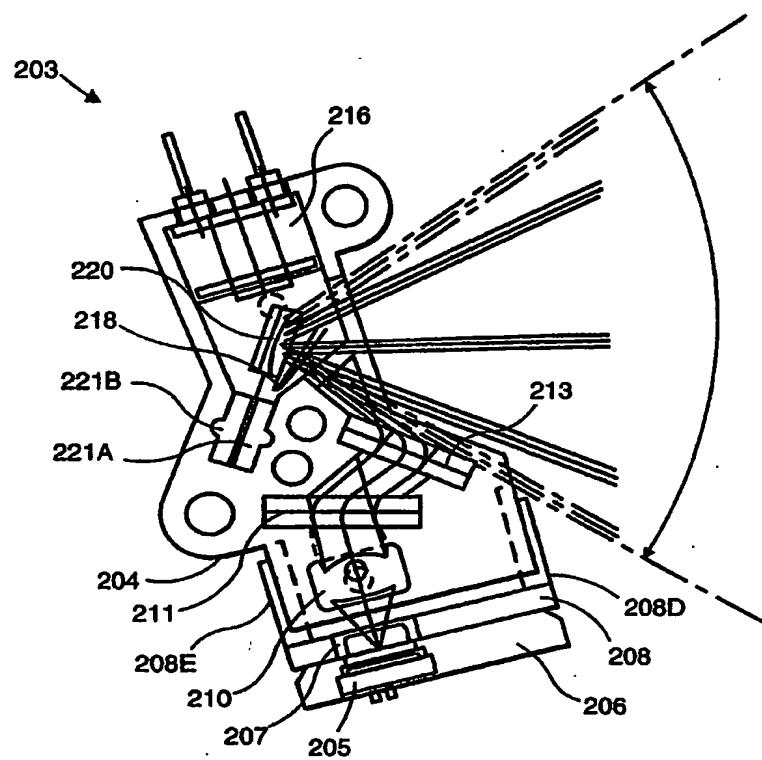


FIG. 9D

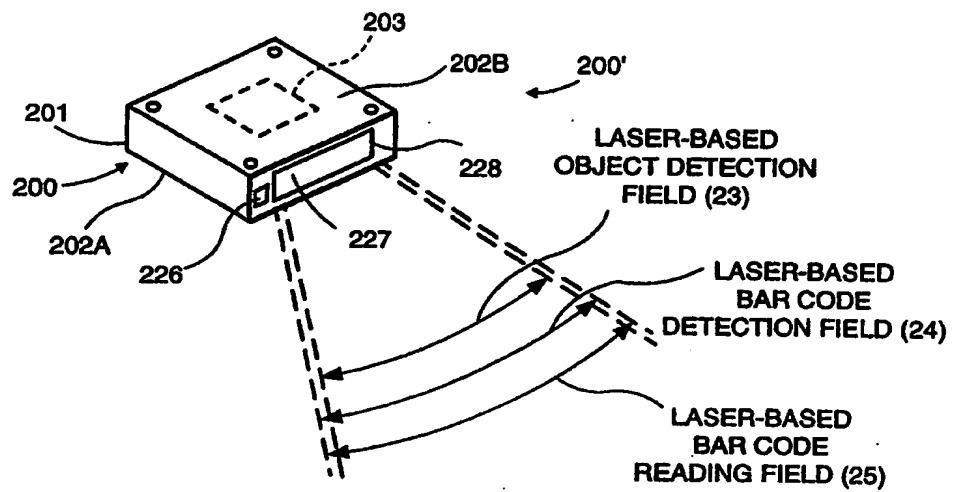


FIG. 9E

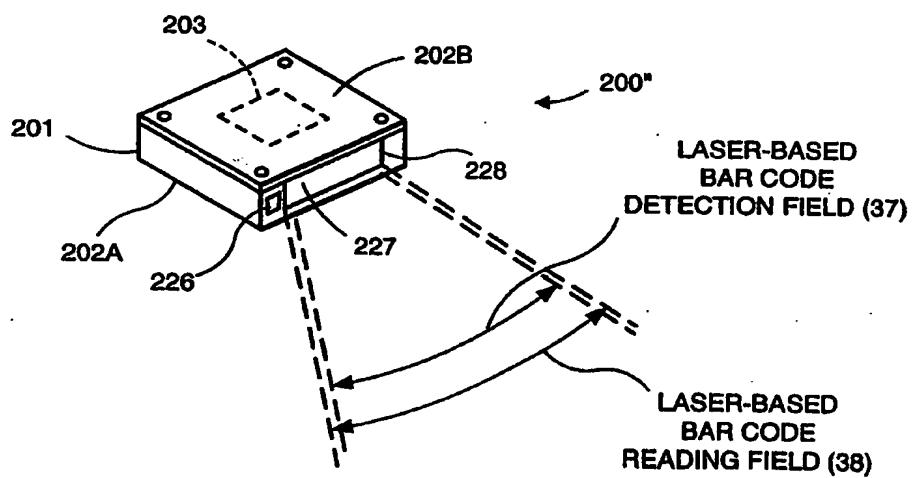


FIG. 9F

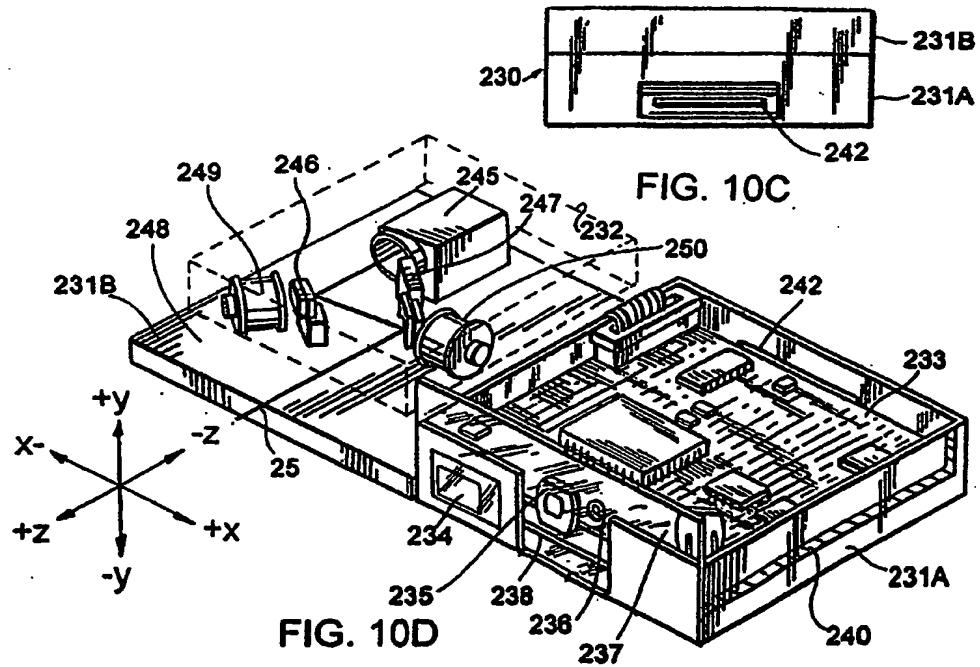
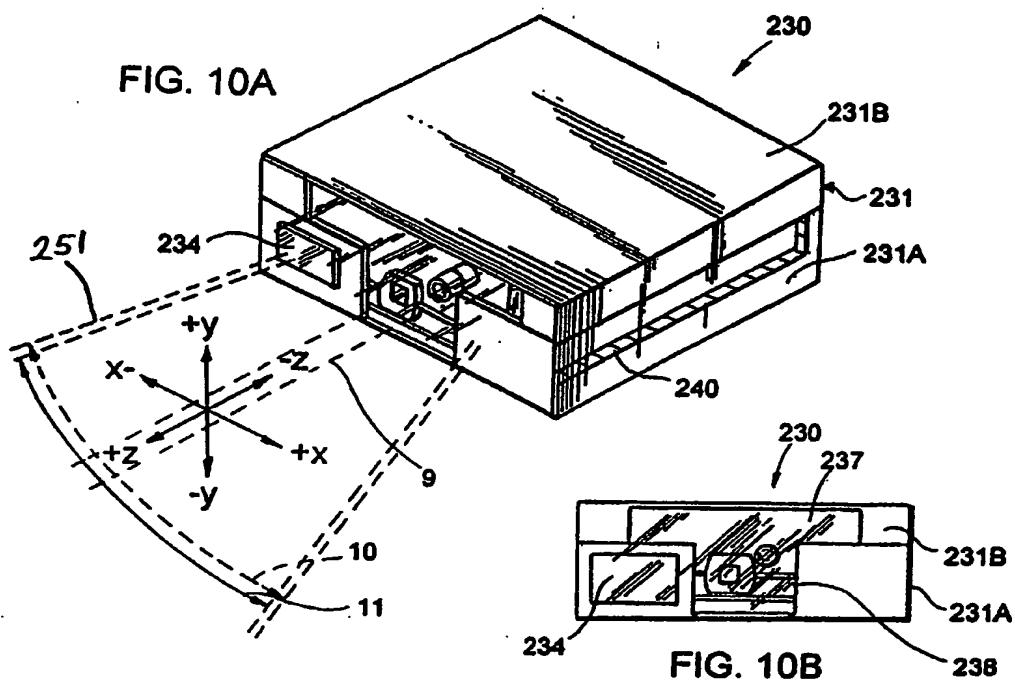


FIG. 10E

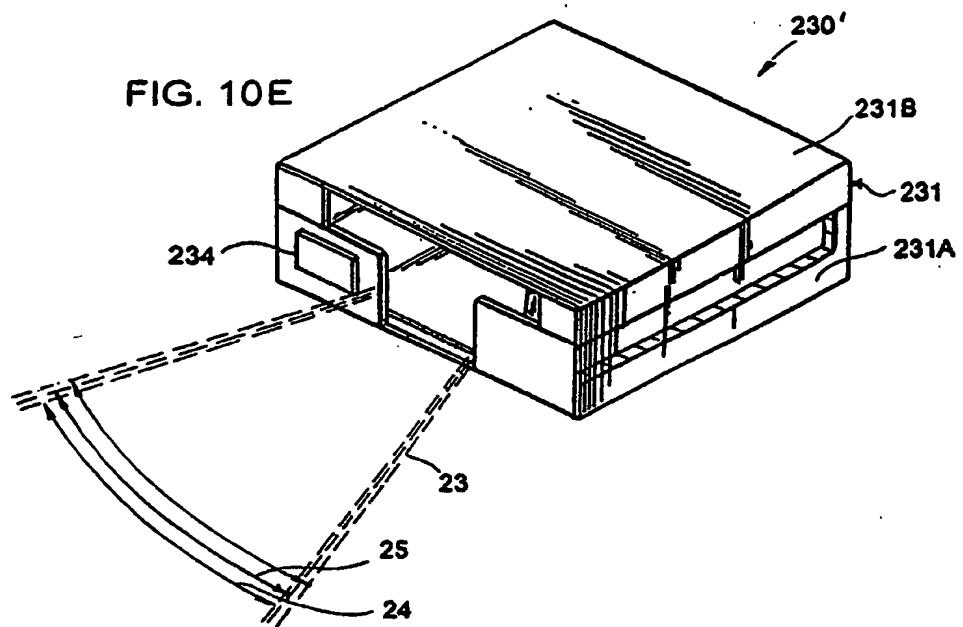
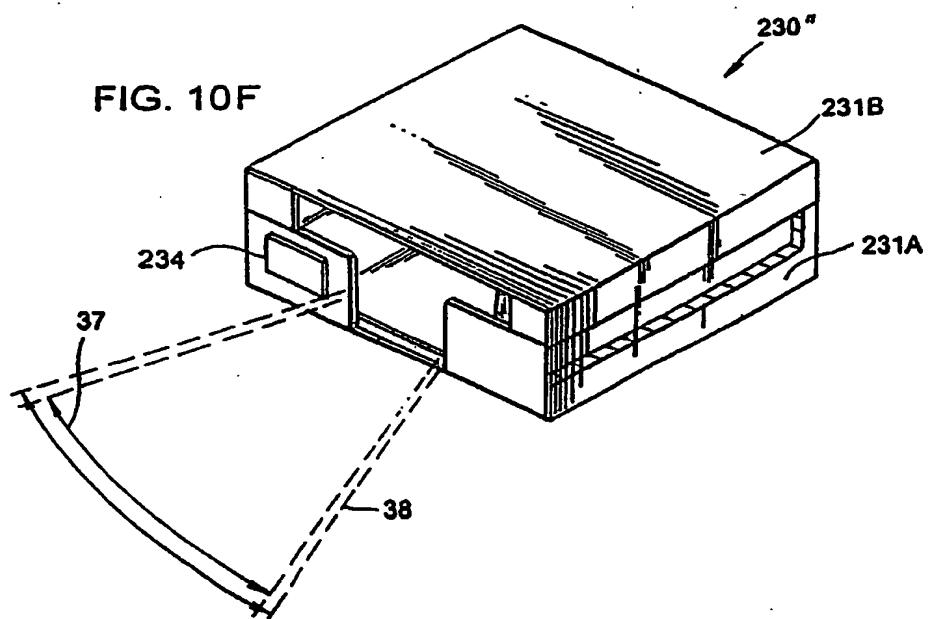


FIG. 10F



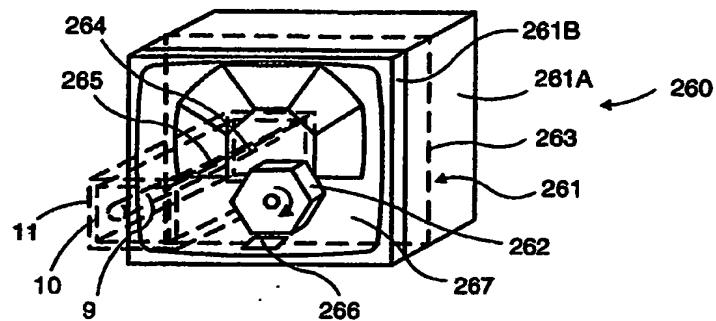


FIG. 11A

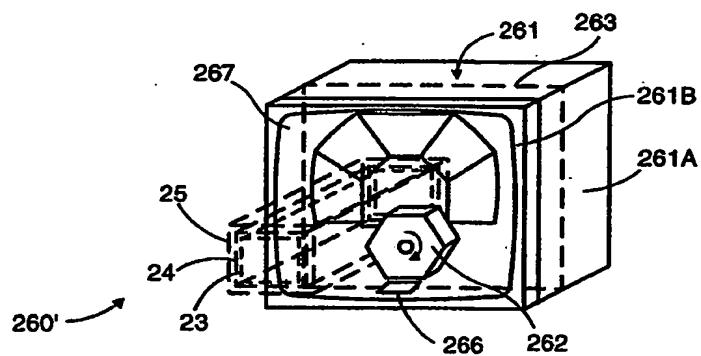


FIG. 11B

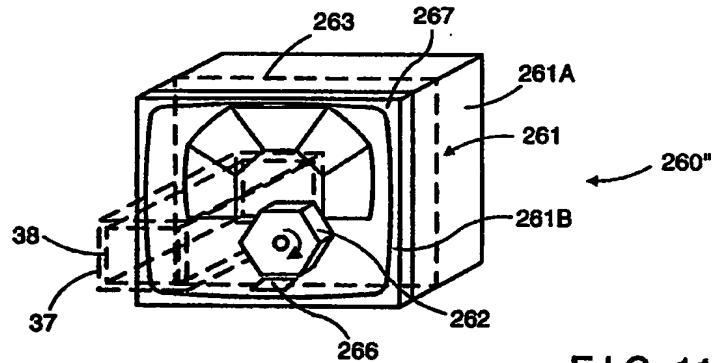
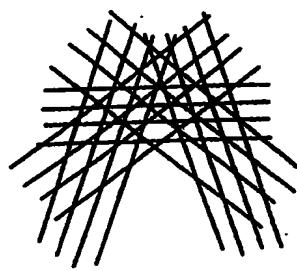
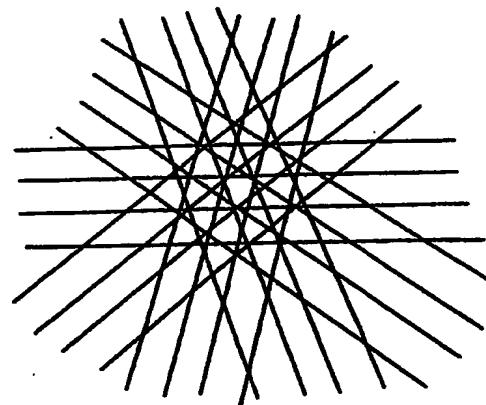


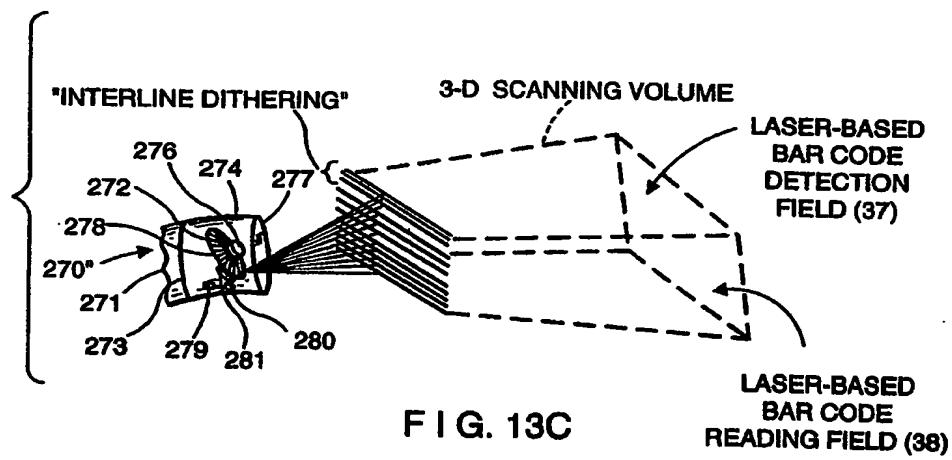
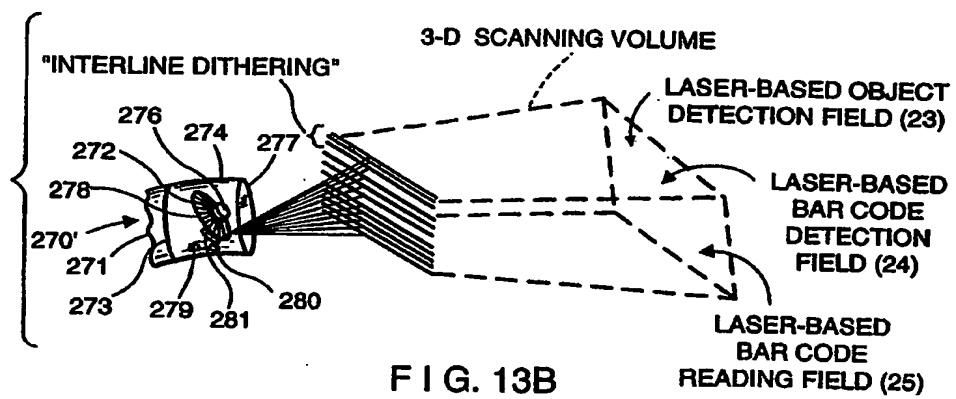
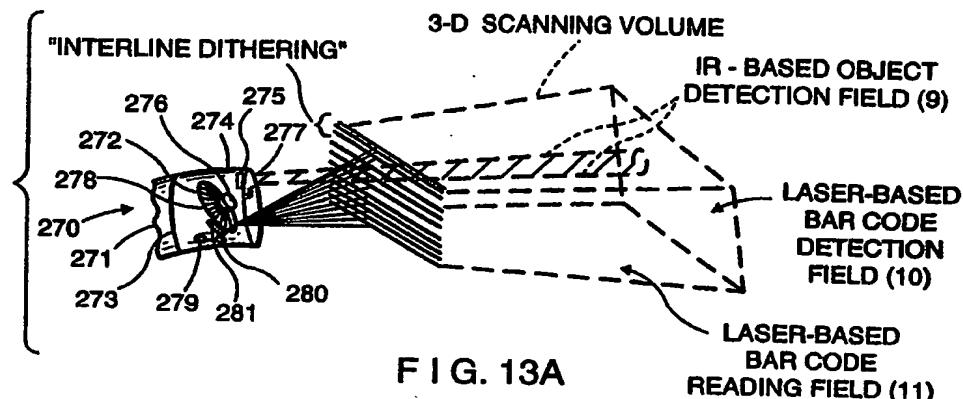
FIG. 11C

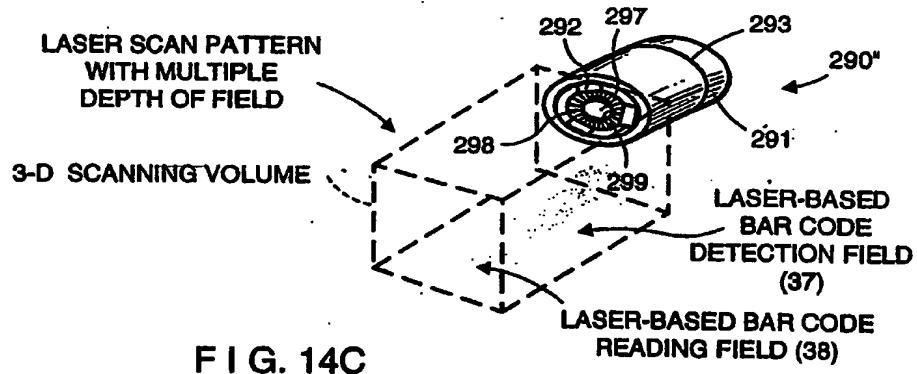
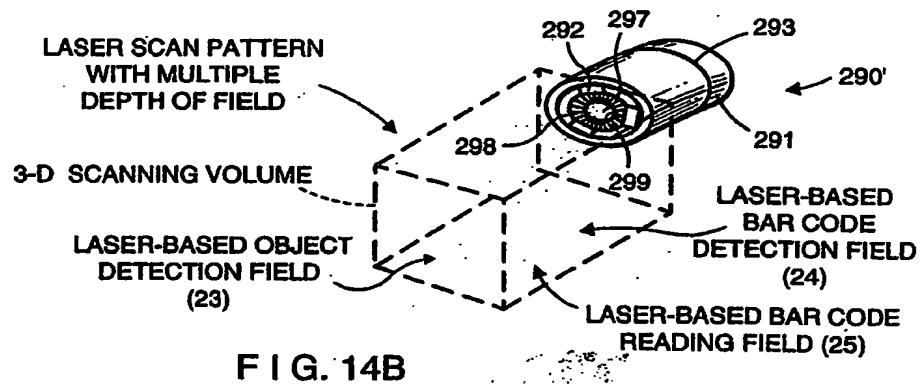
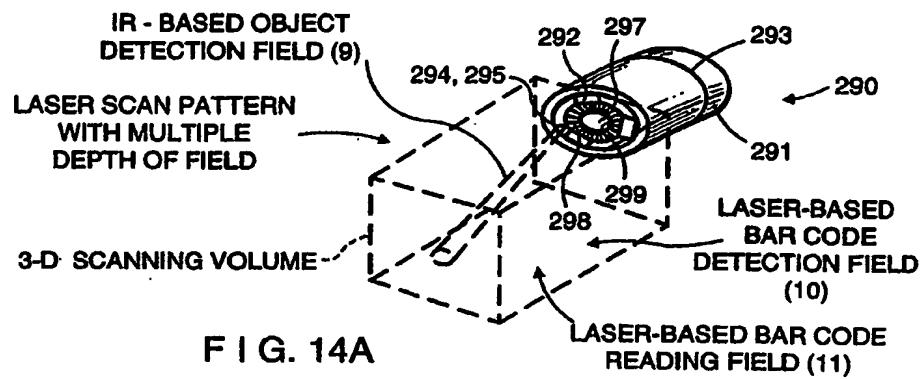


**FIG. 12A**



**FIG. 12B**





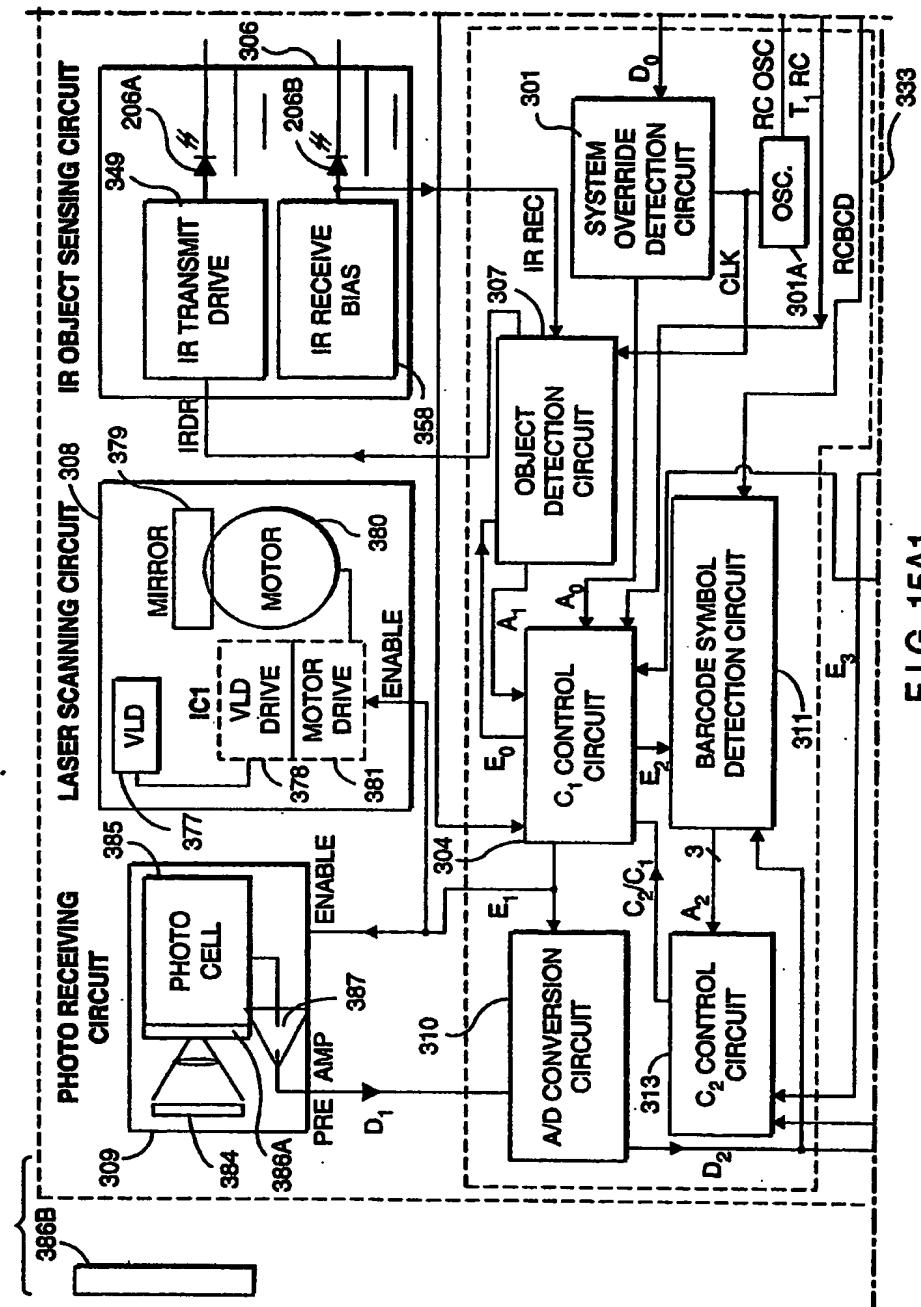


FIG. 15A1

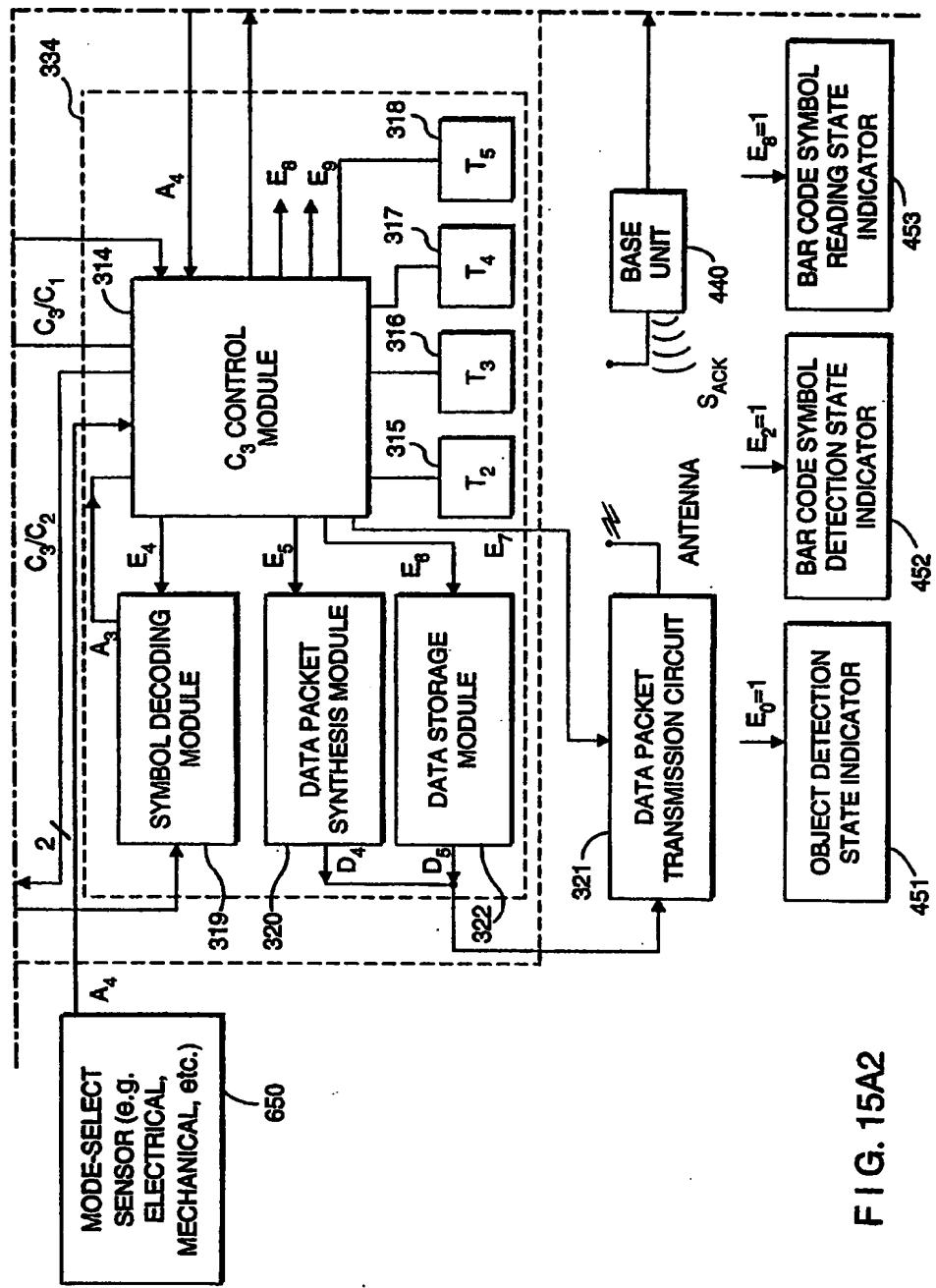
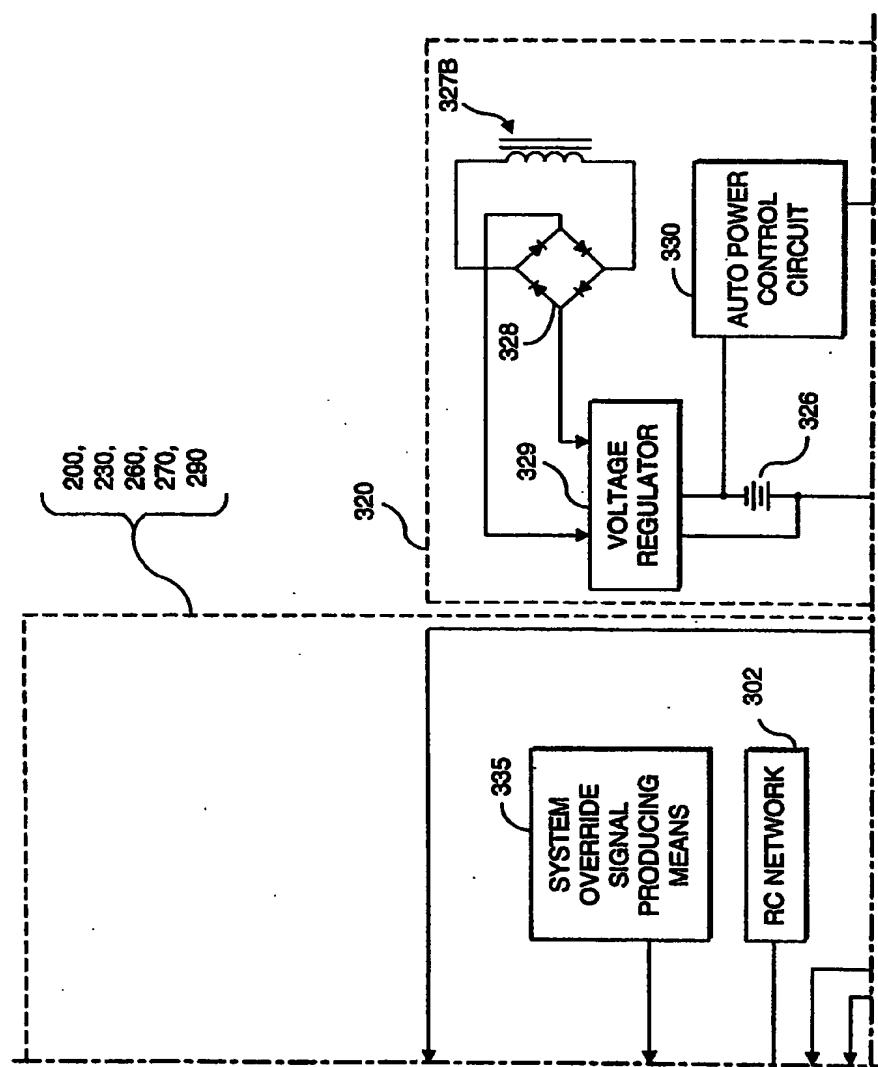


FIG. 15A2

FIG. 15A3



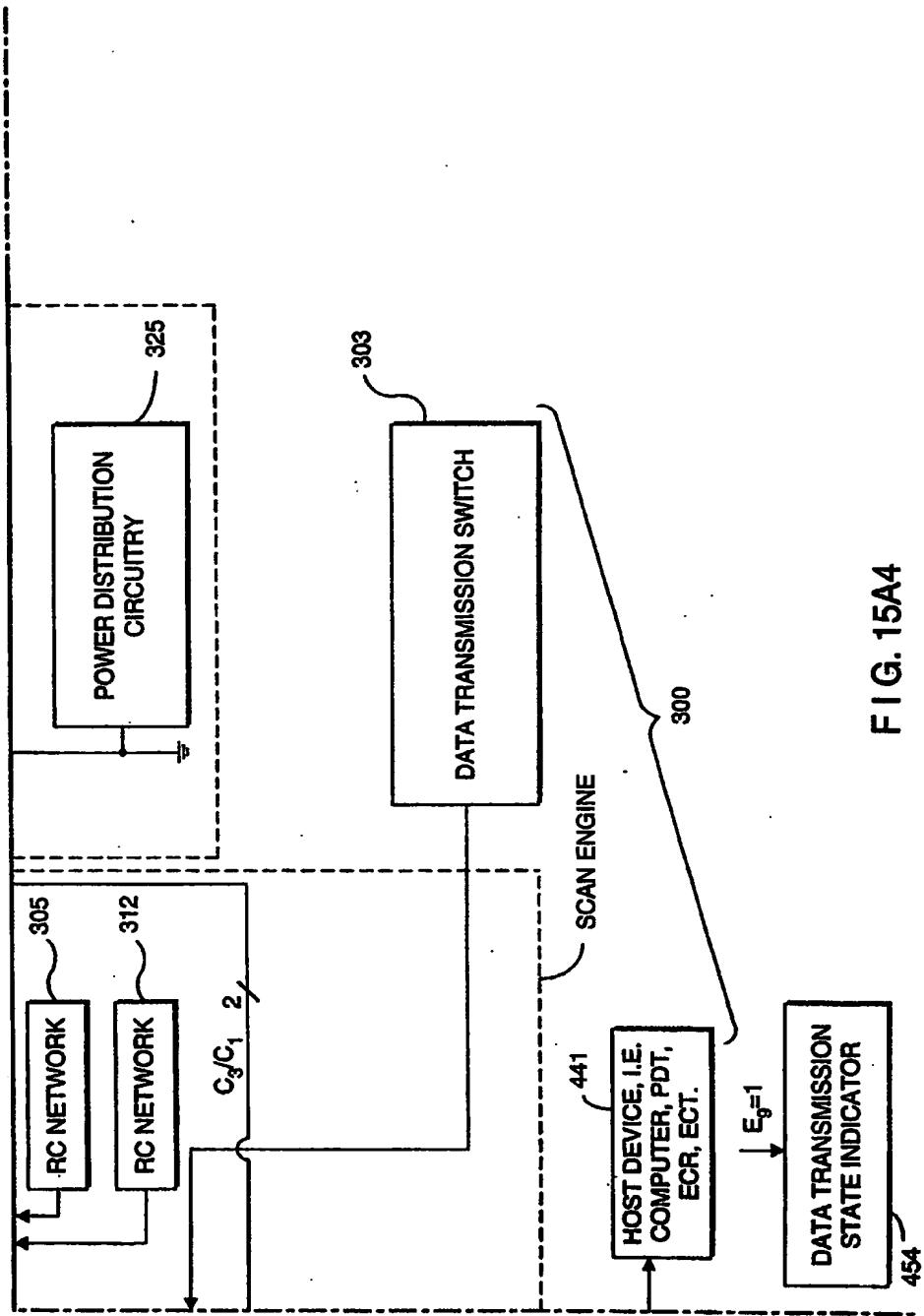


FIG. 15A4

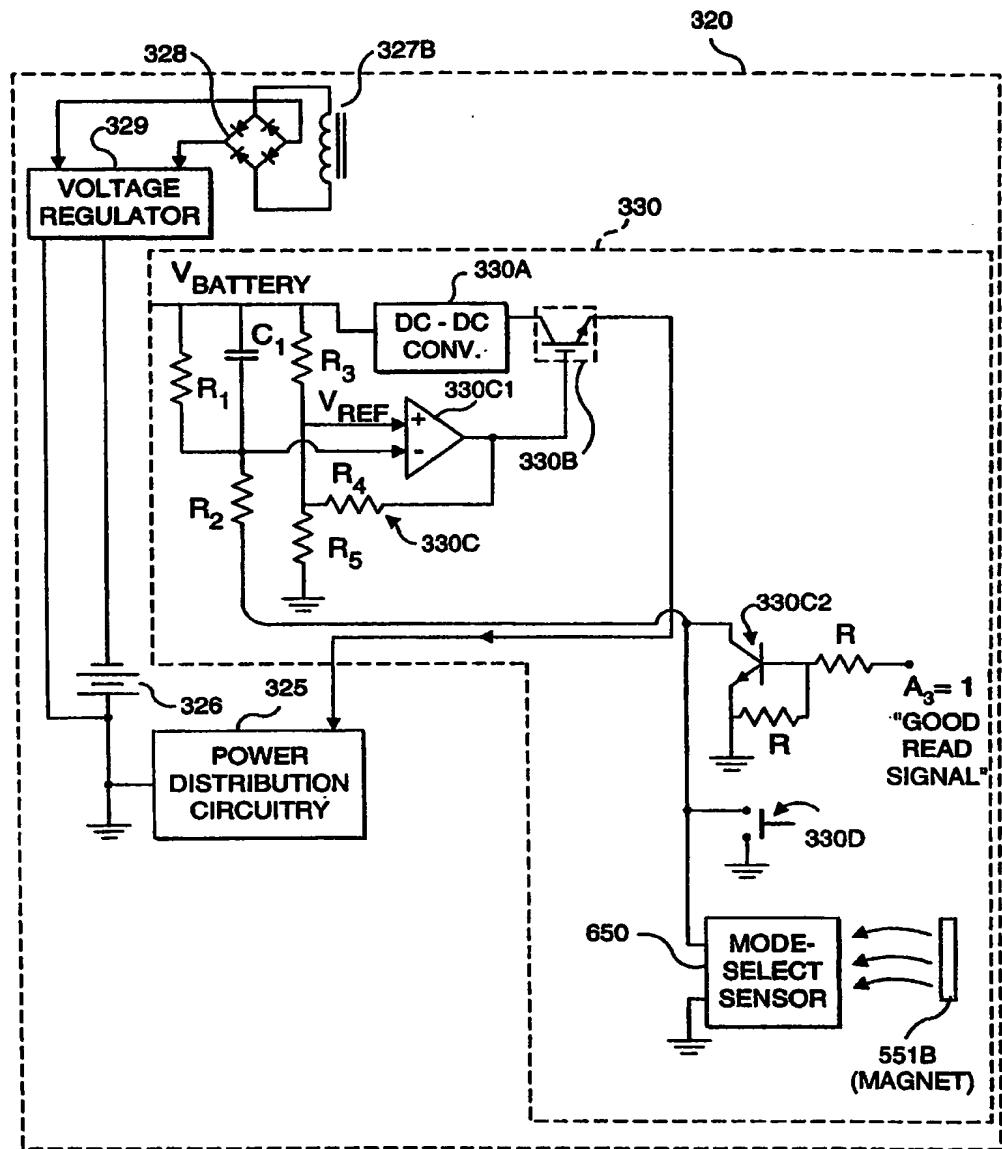


FIG. 15B1

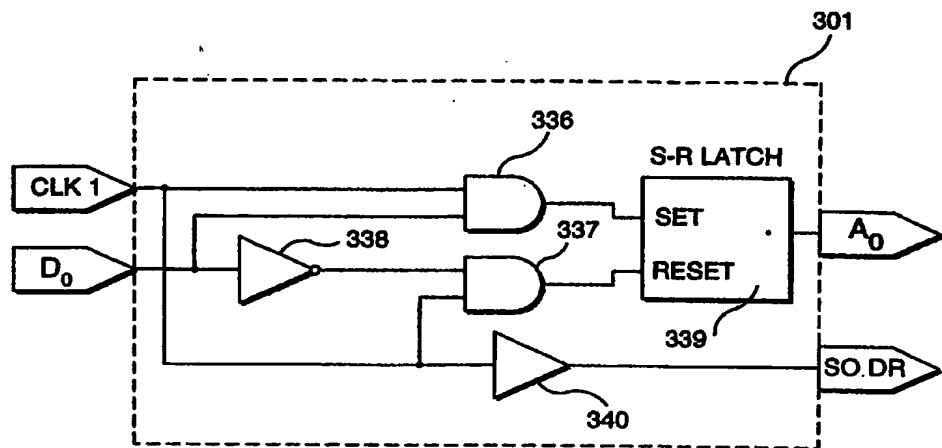


FIG. 15B2

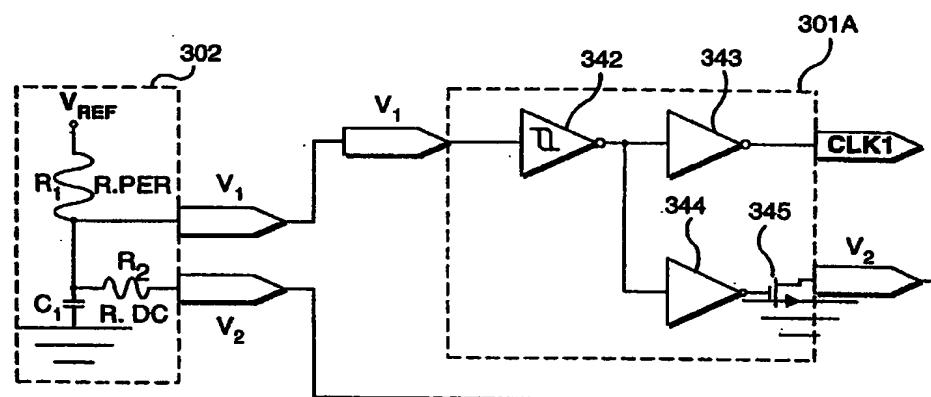


FIG. 15C

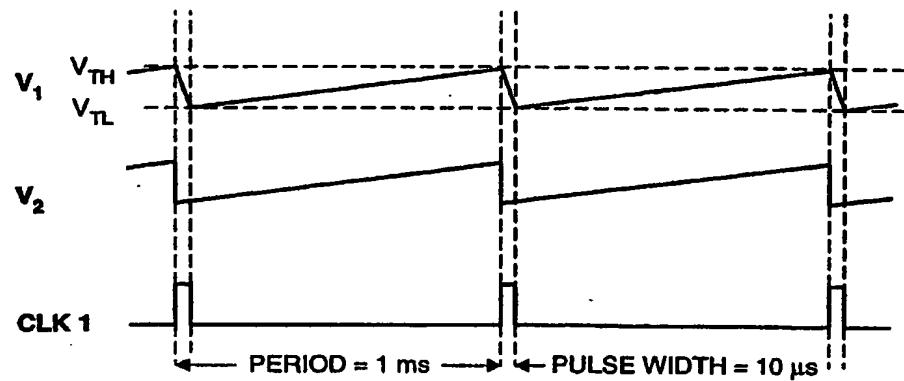


FIG. 15D

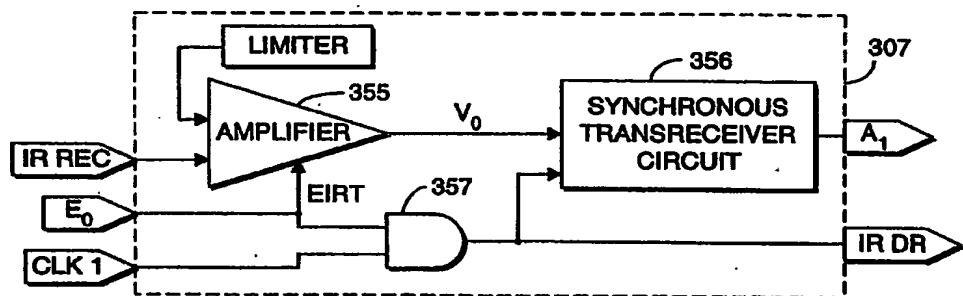


FIG. 15E

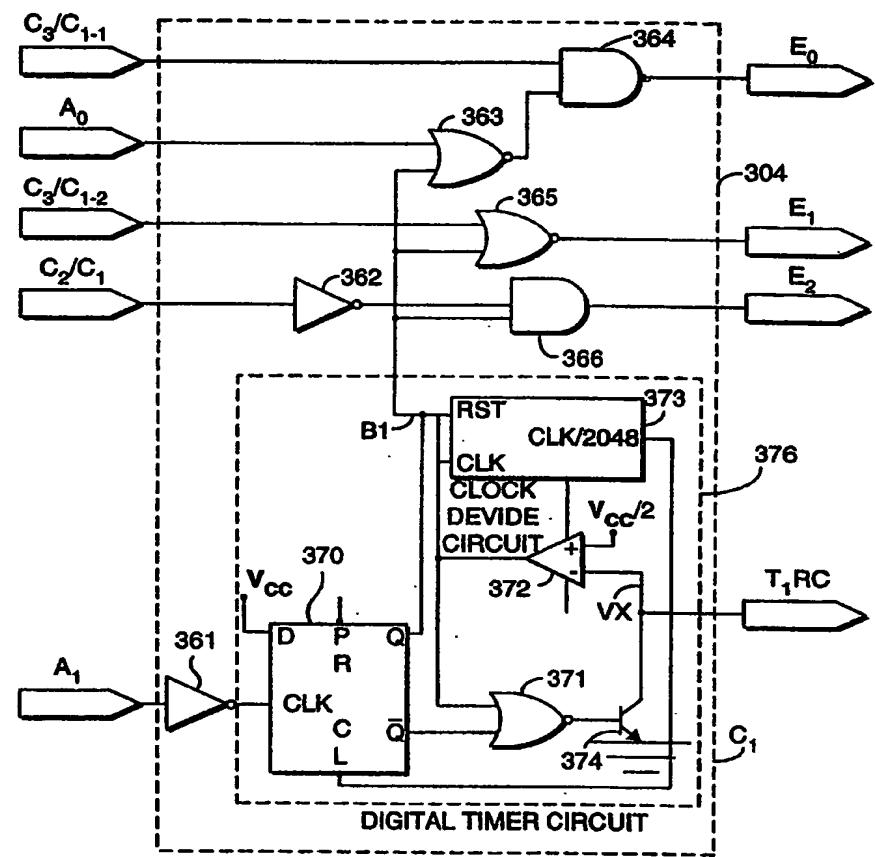


FIG. 15F

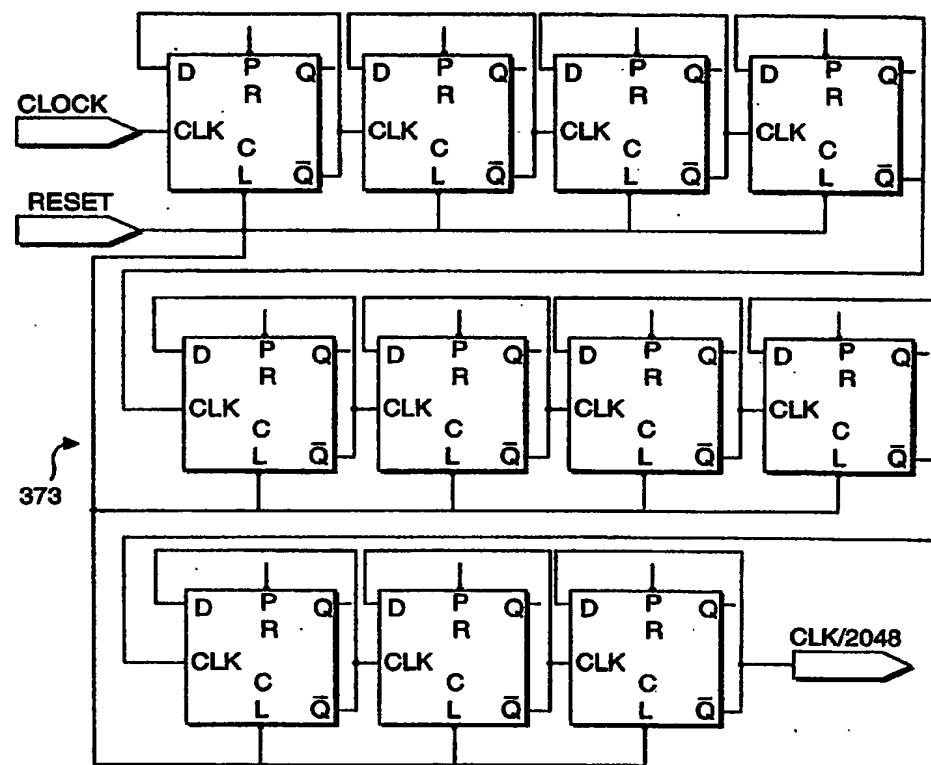


FIG. 15G

$$\begin{aligned}
 E_0 &= \overline{(B1 + A_0)(C_3/C_{1-1})} \\
 E_1 &= (C_3/C_{1-2}) + B1 \\
 E_2 &= (C_2/C_1)(T_1)
 \end{aligned}
 \quad \left. \right\}$$

FIG. 15H

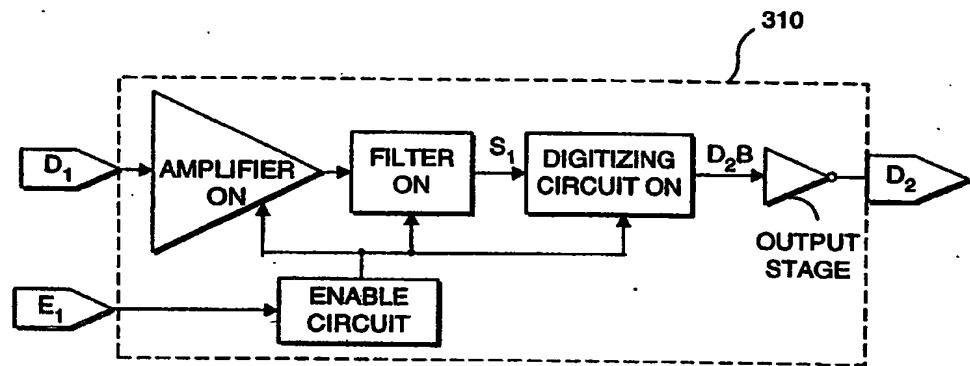


FIG. 15I

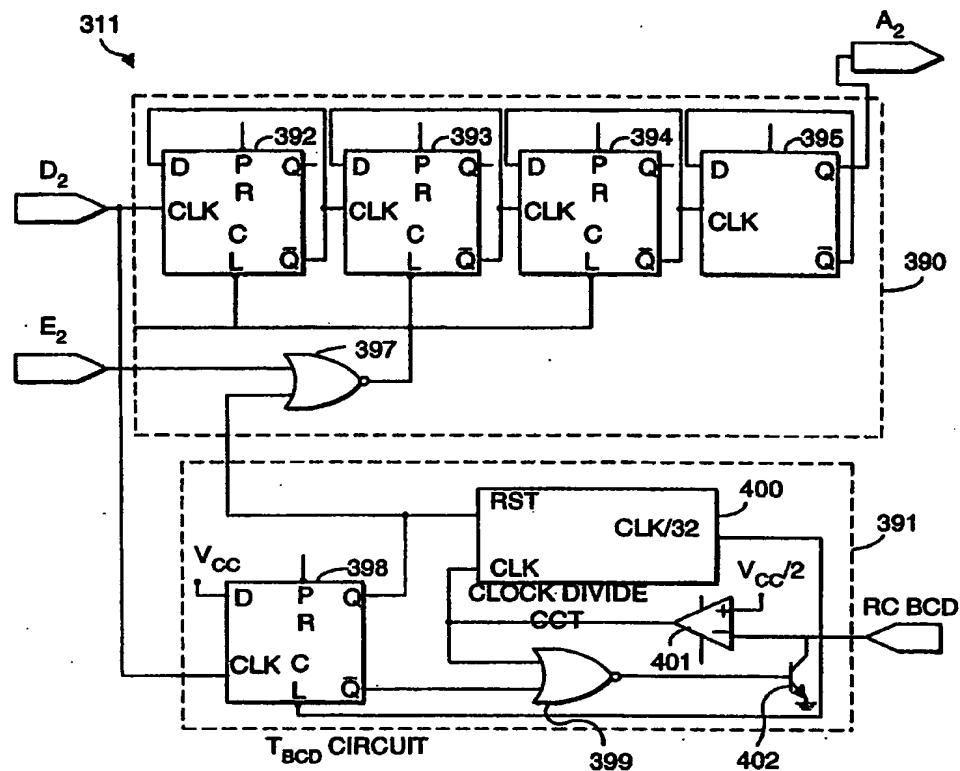


FIG. 15J

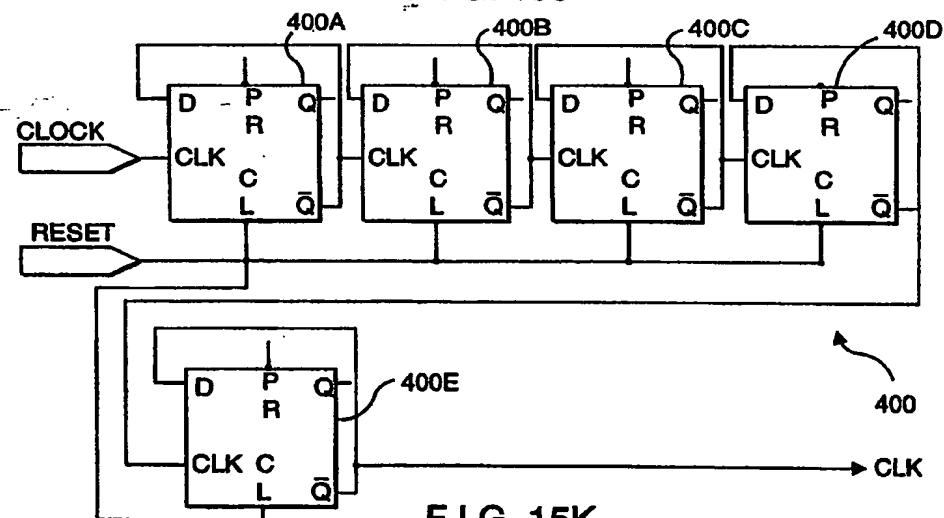


FIG. 15K

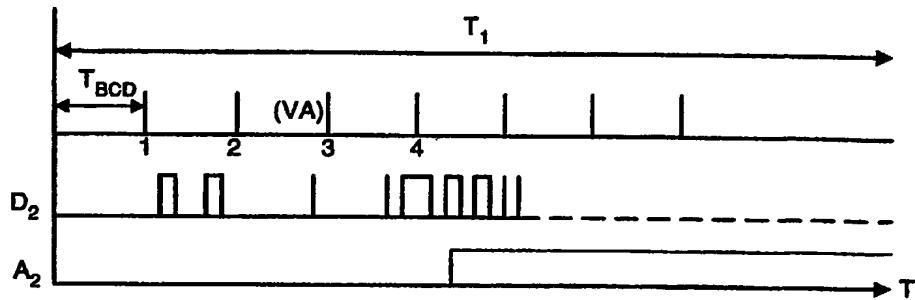


FIG. 15L

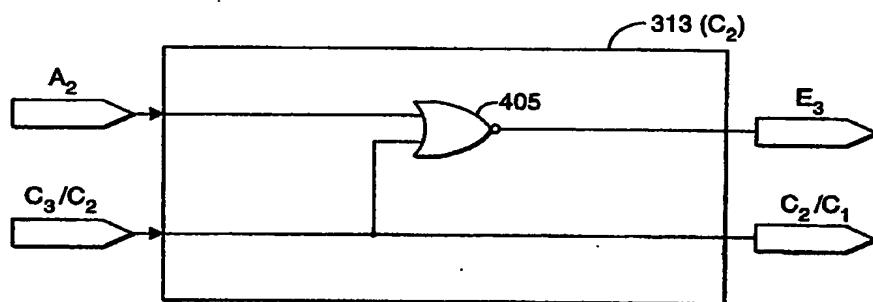


FIG. 15M

$C_3 / C_2$	$A_2$	$E_3$	$C_2 / C_1$
0	0	0	0
0	1	1	0
1	X	1	1

X: DON'T CARE (I.E.  $C_3 / C_2$  OVERRIDES  $A_2$ )

FIG. 15N

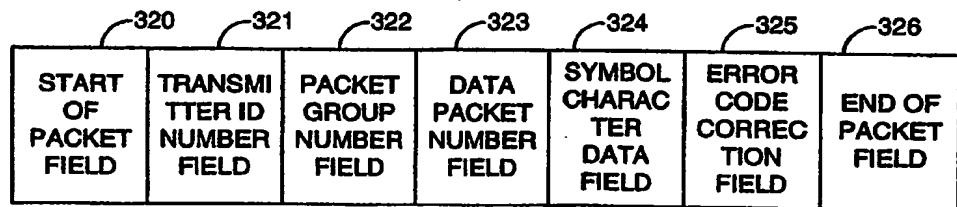


FIG. 15O

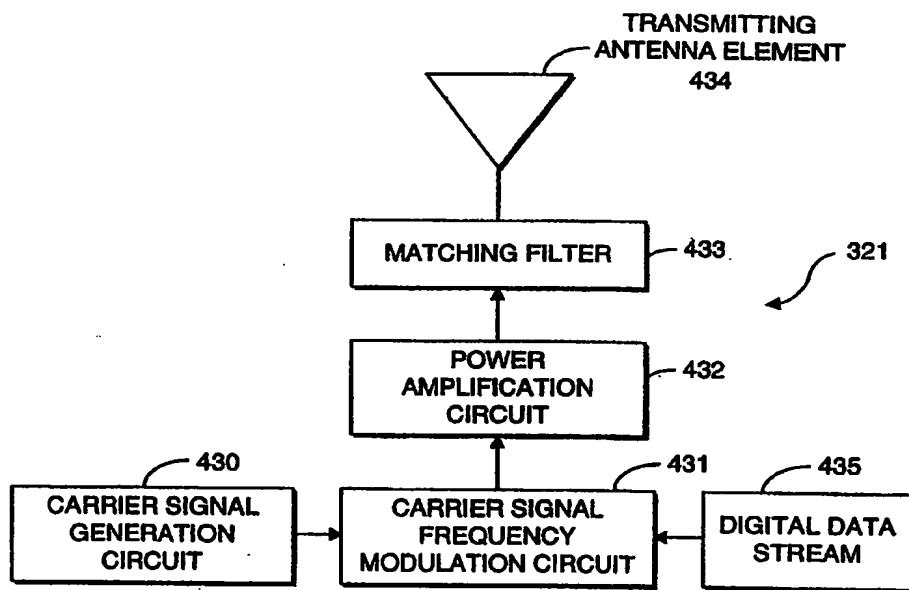


FIG. 16

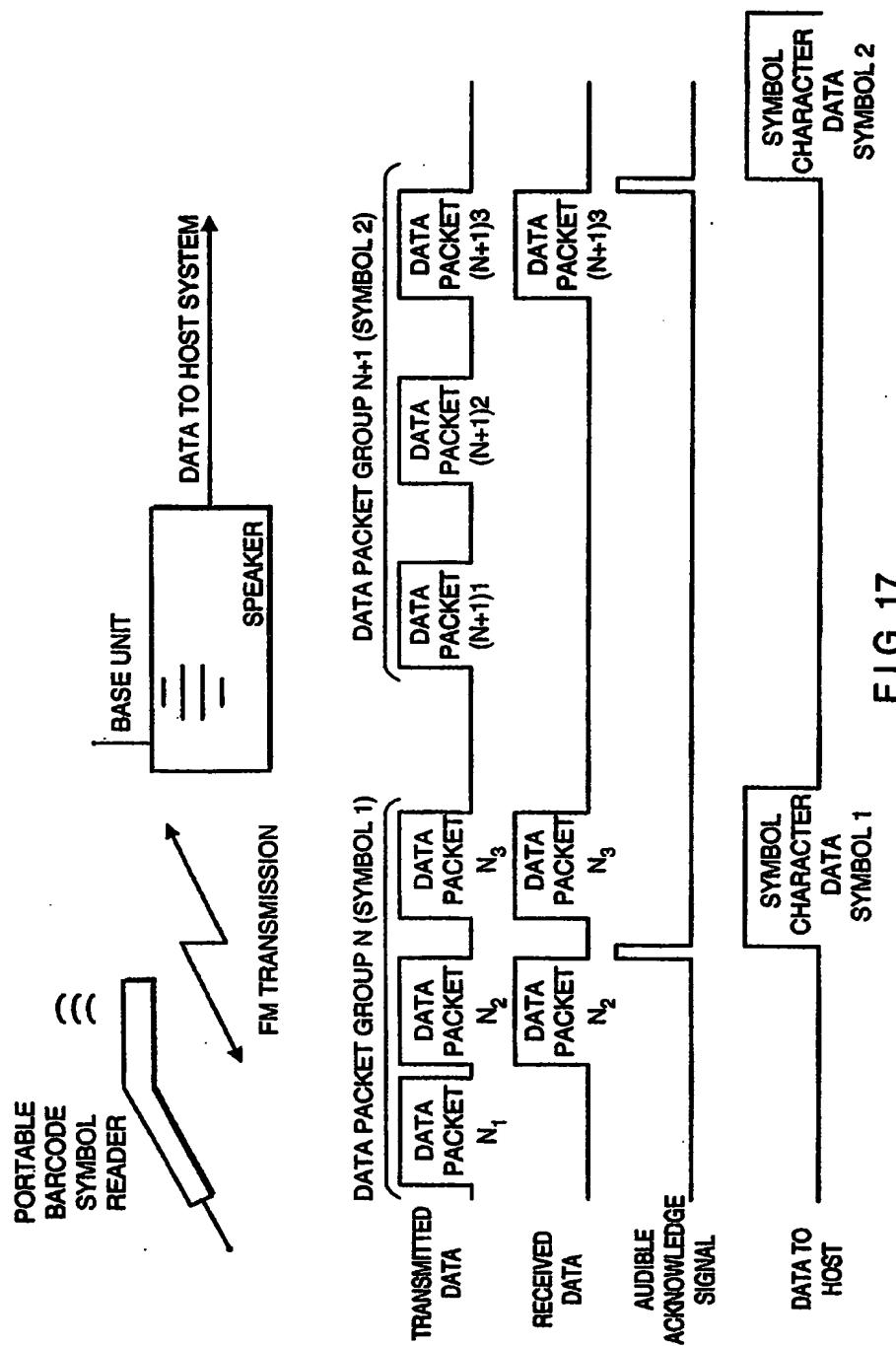


FIG. 17

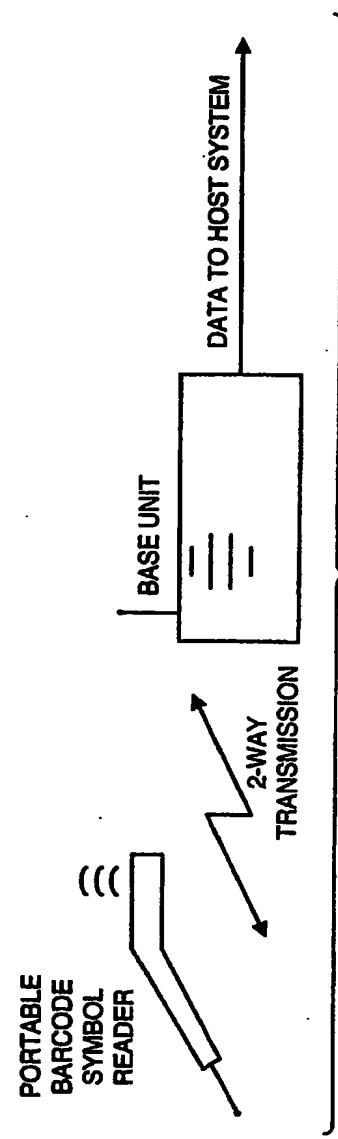


FIG. 18



FIG. 19

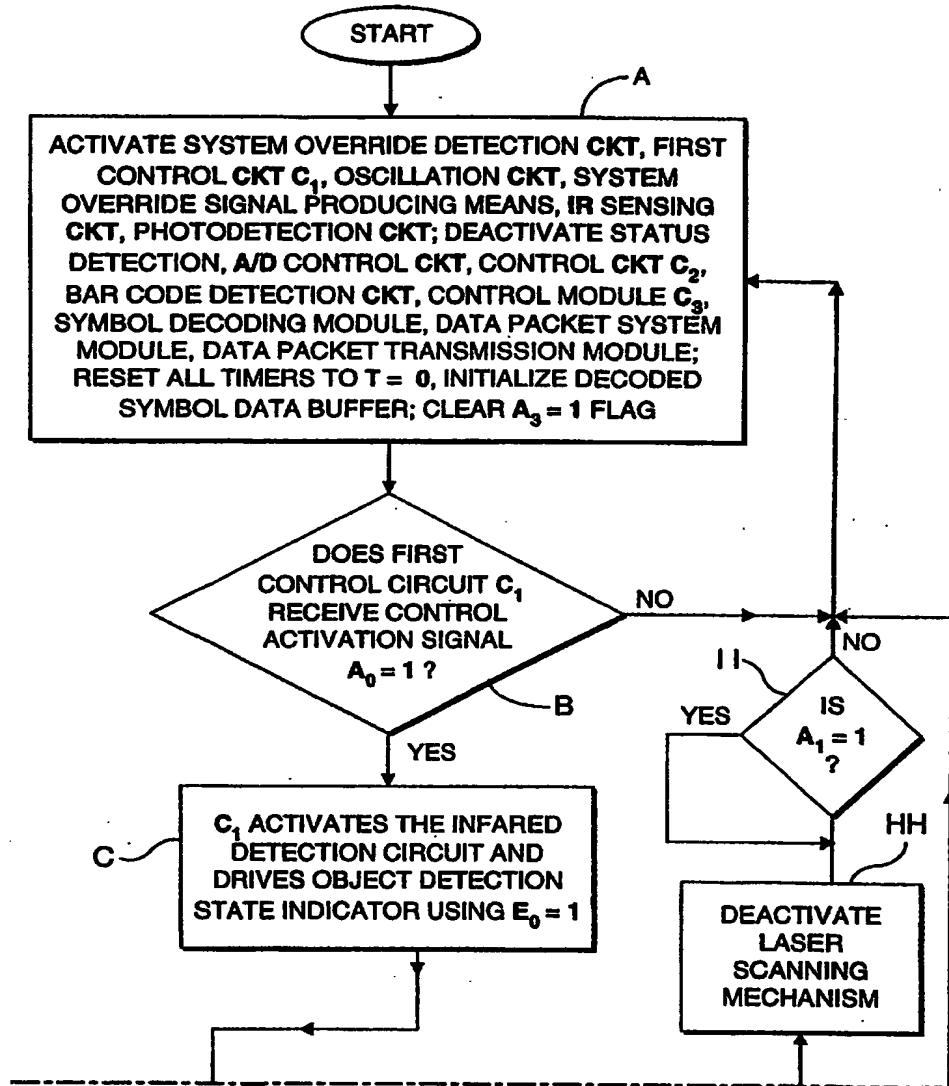


FIG. 20A1

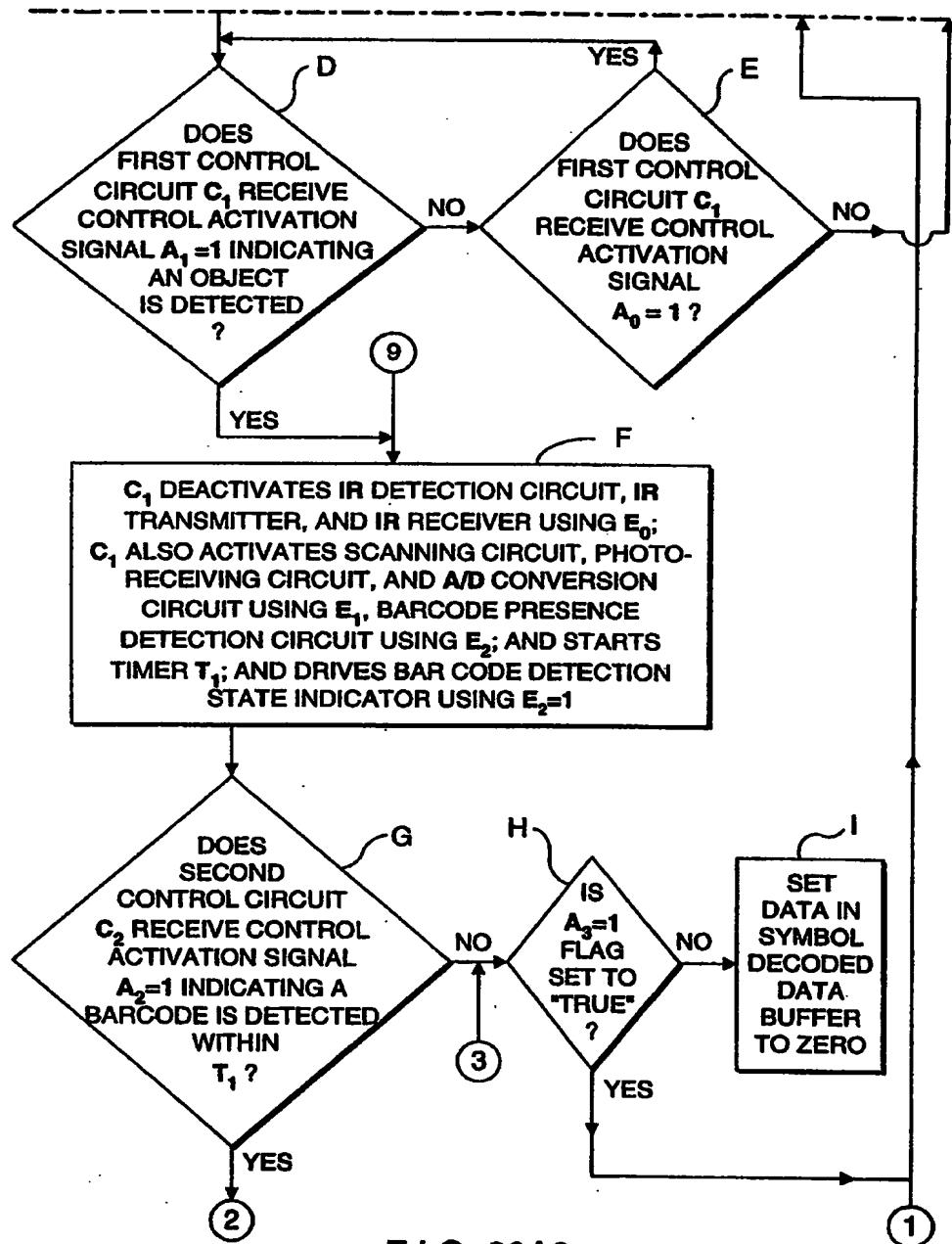


FIG. 20A2

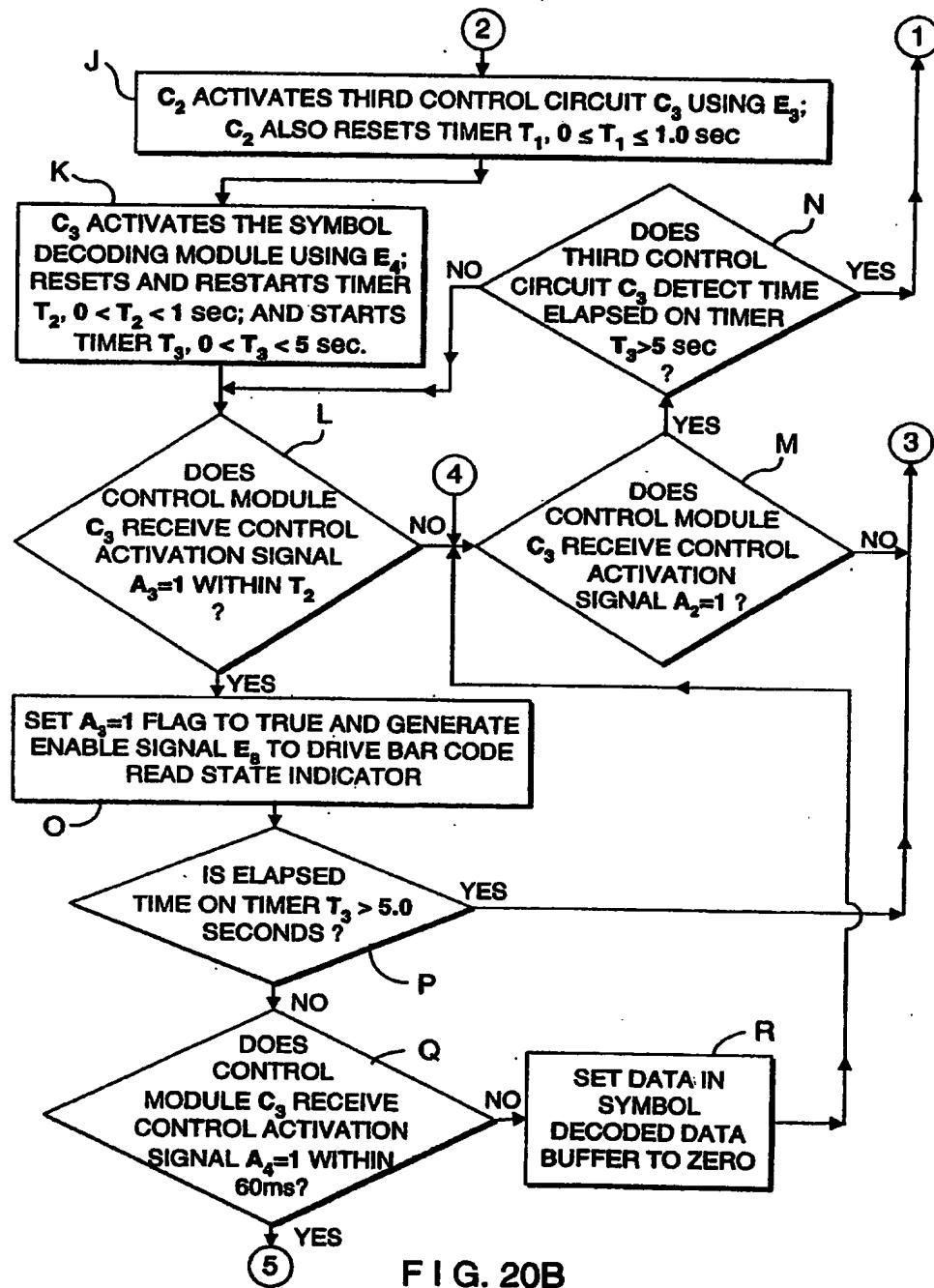


FIG. 20B

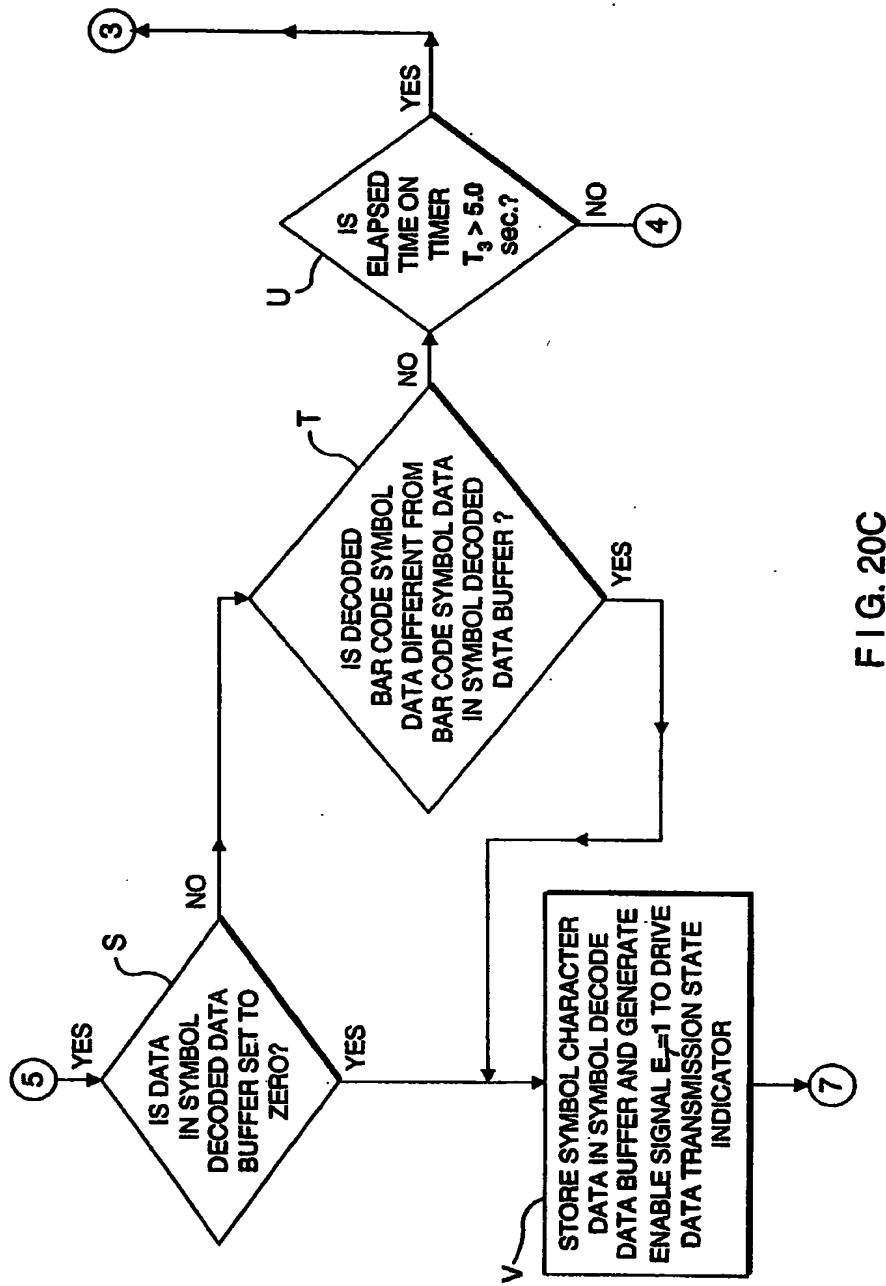
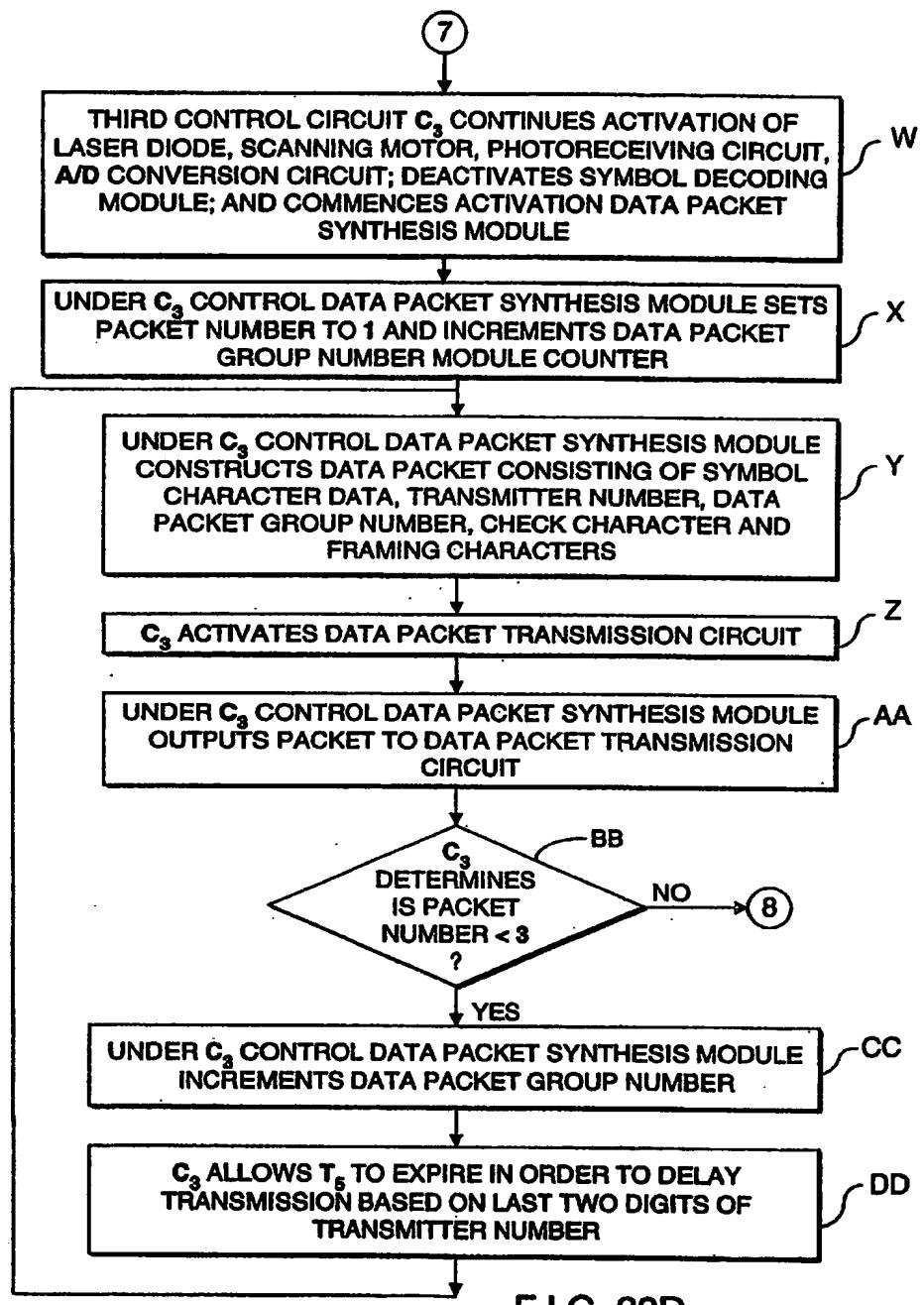


FIG. 20C



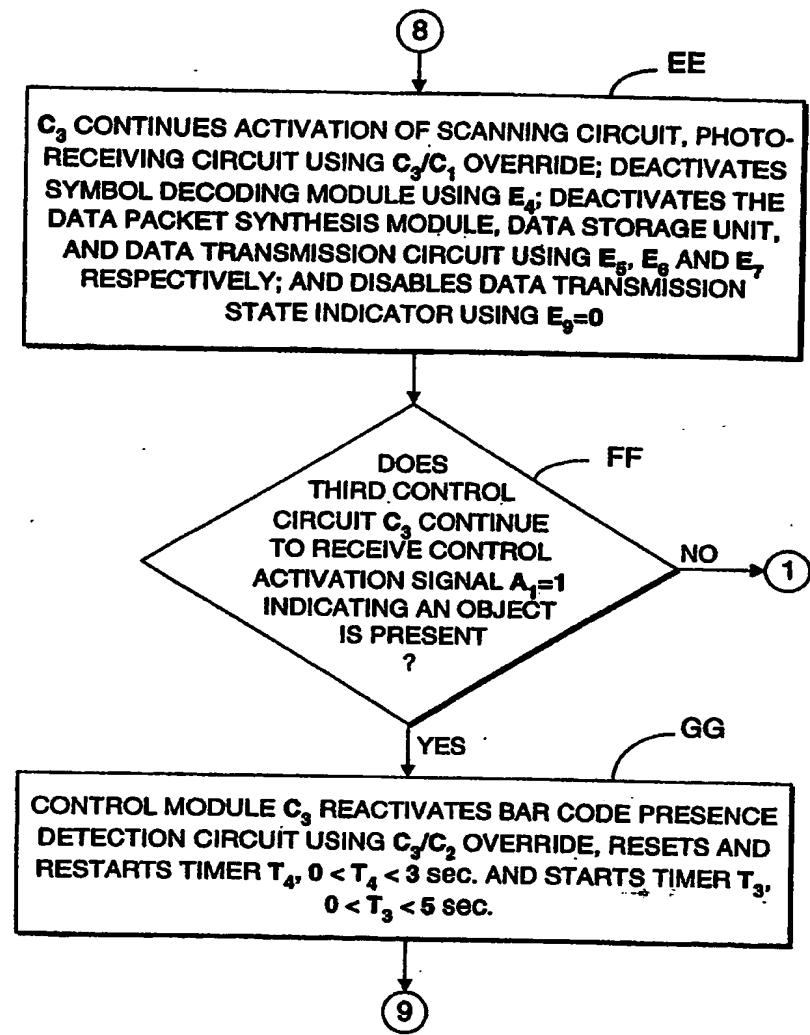


FIG. 20E

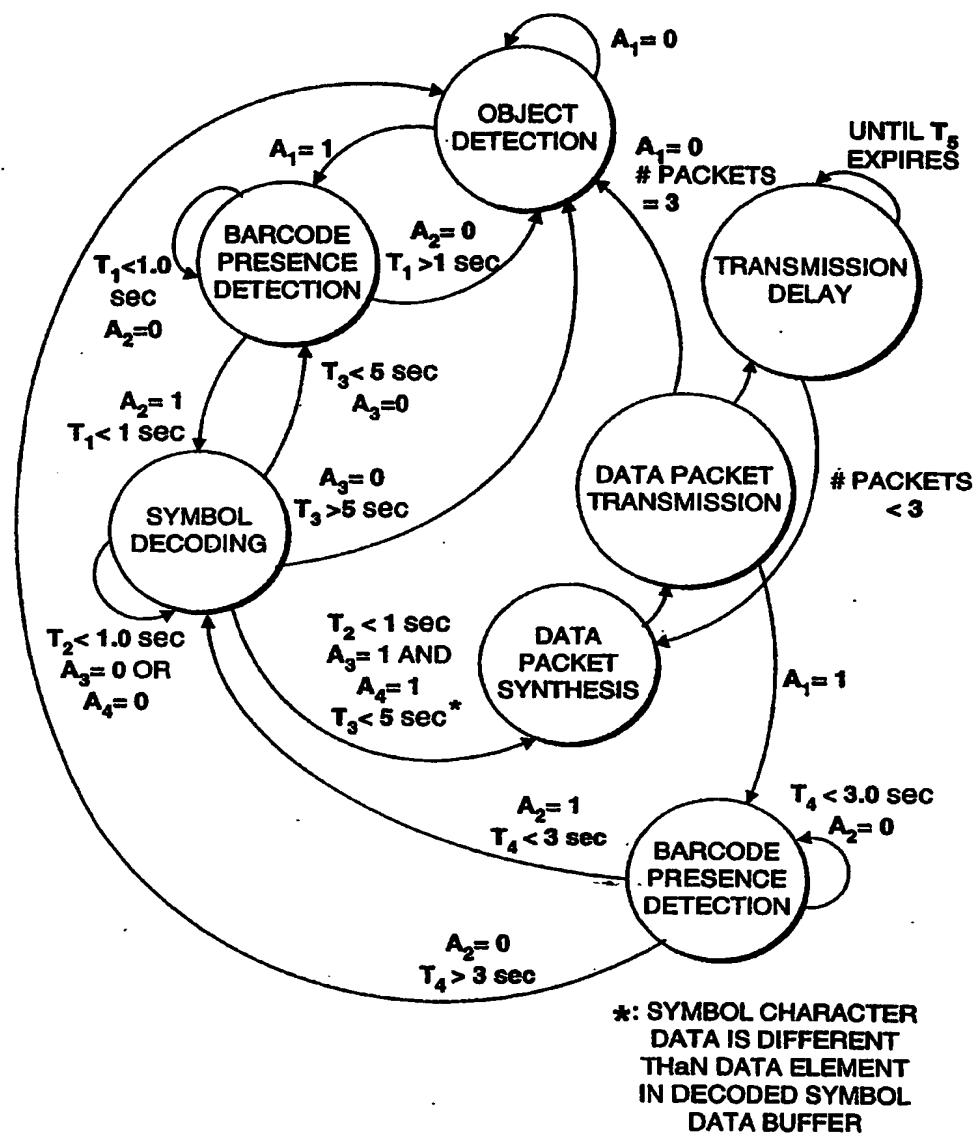


FIG. 21

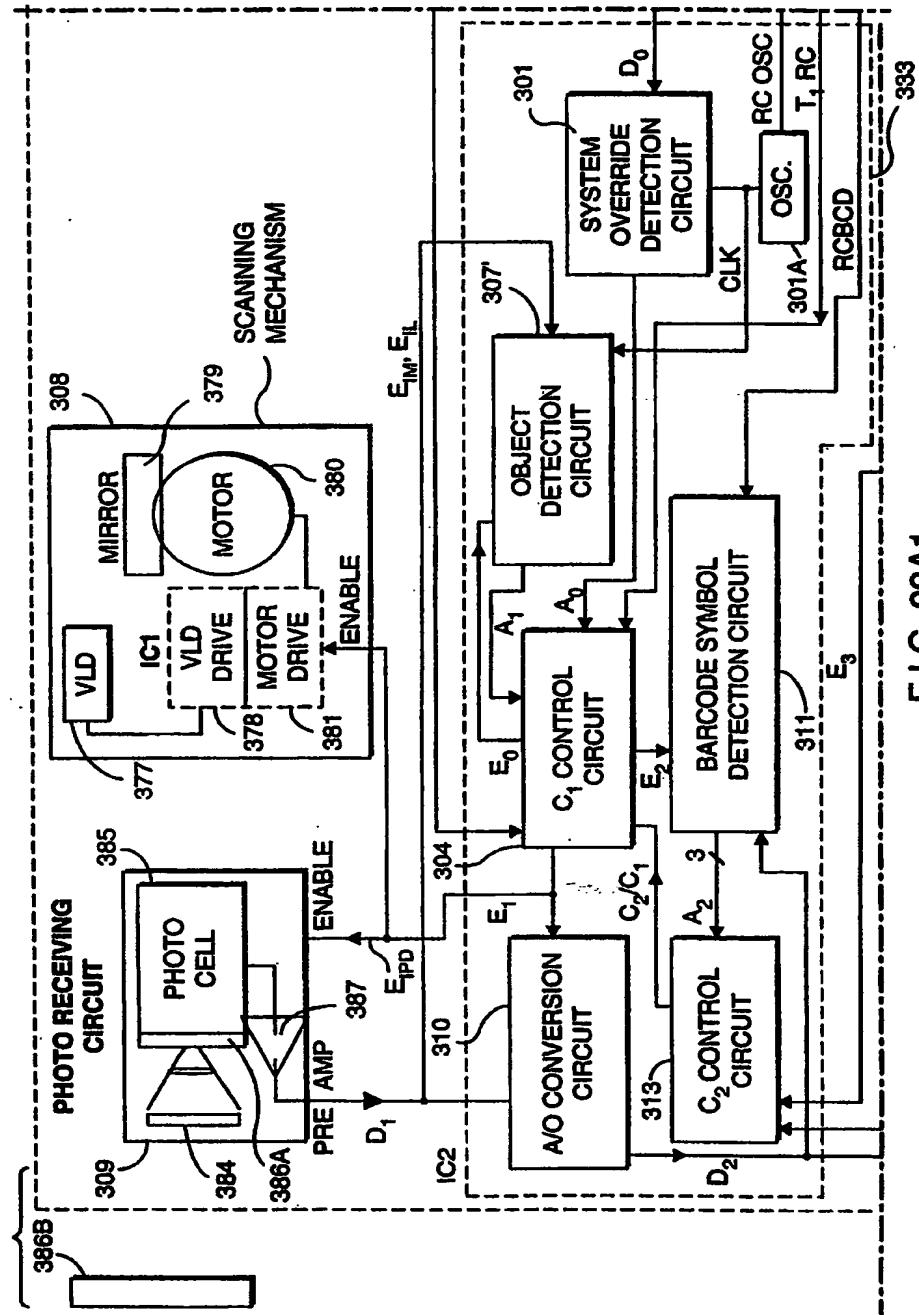


FIG. 22A1

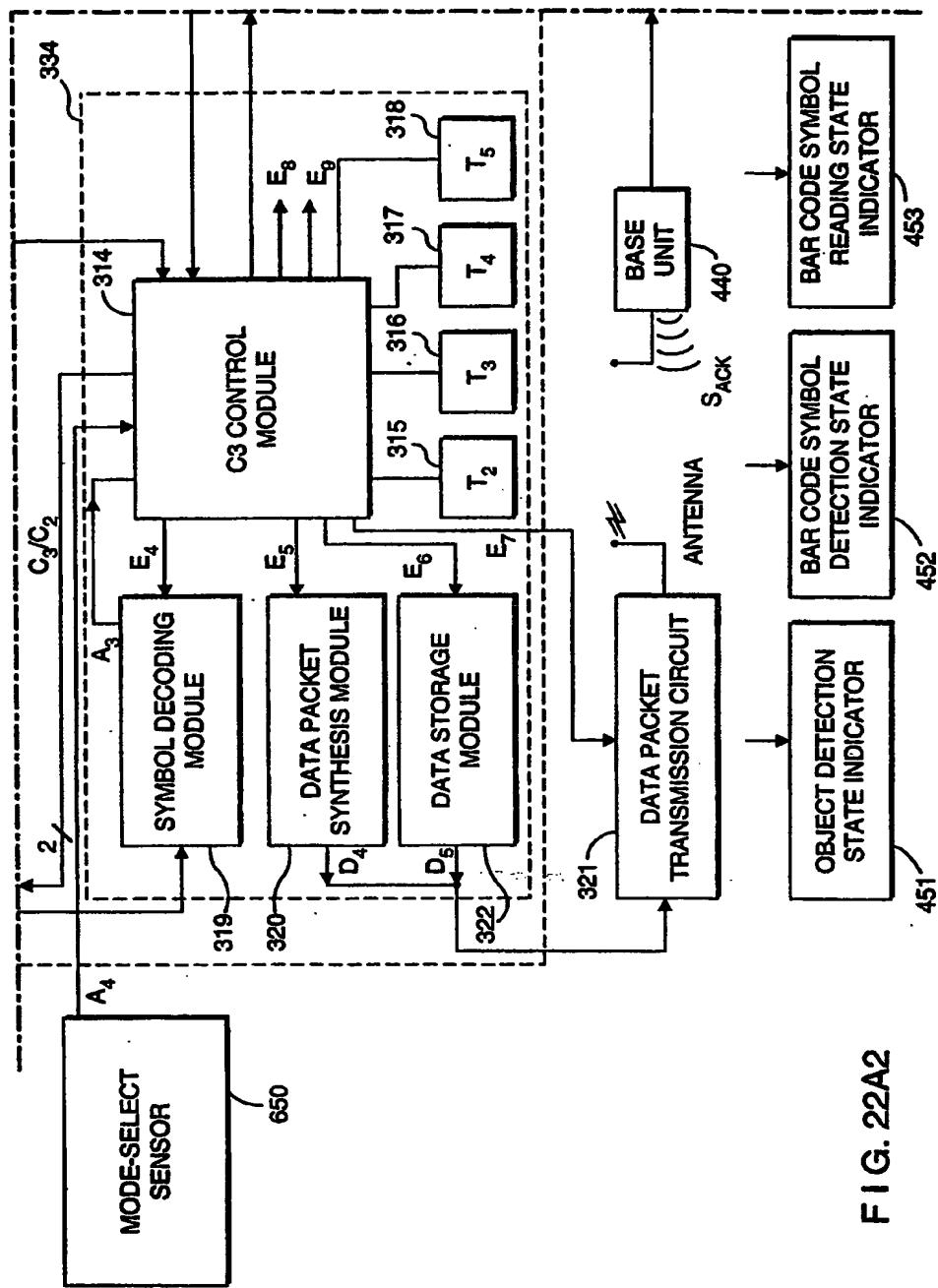
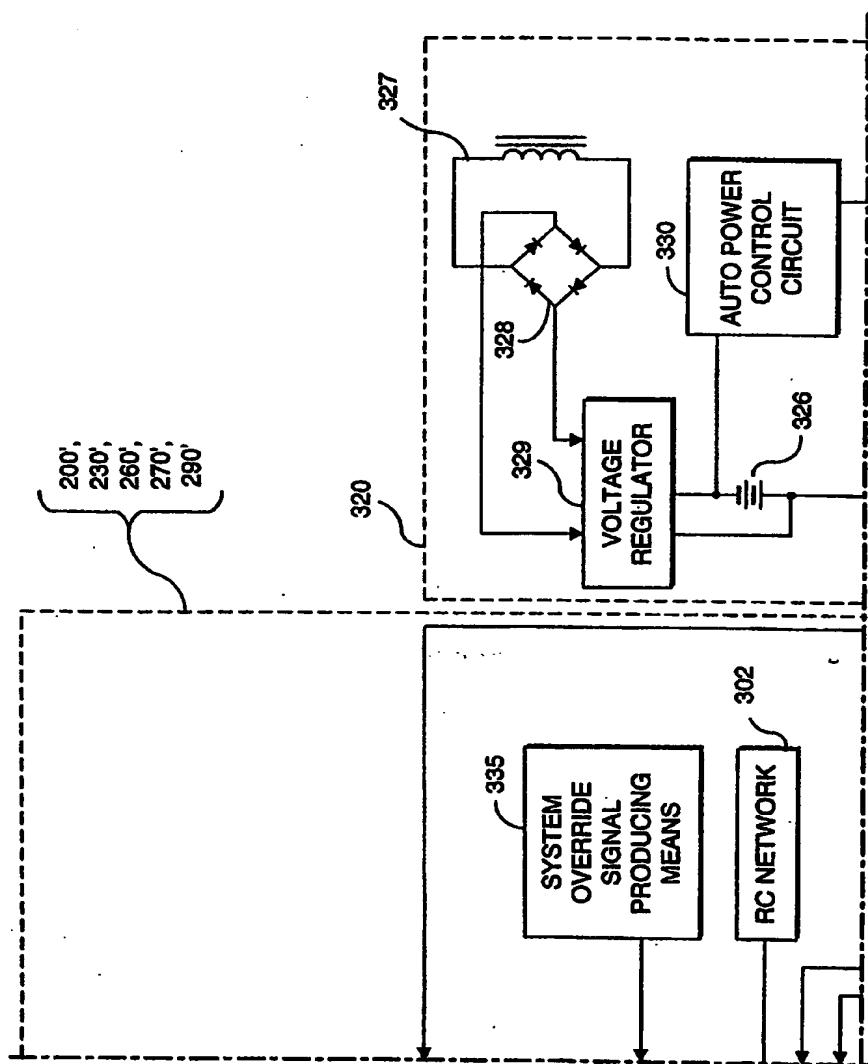


FIG. 22A2

FIG. 22A3



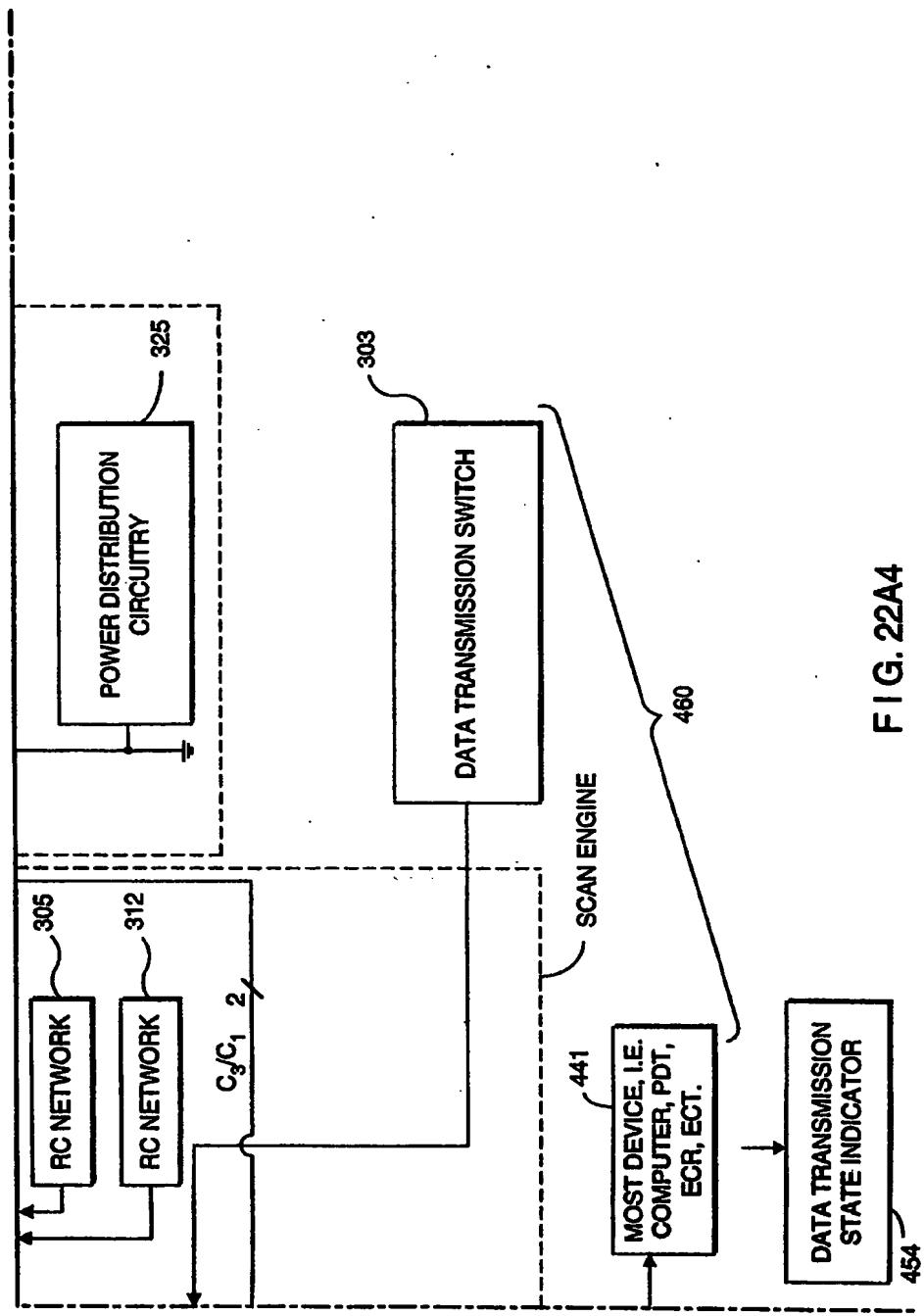


FIG. 22A4

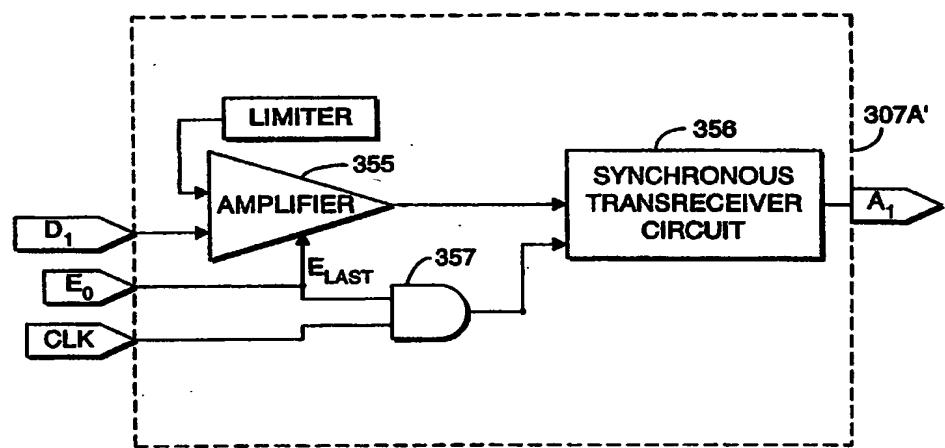
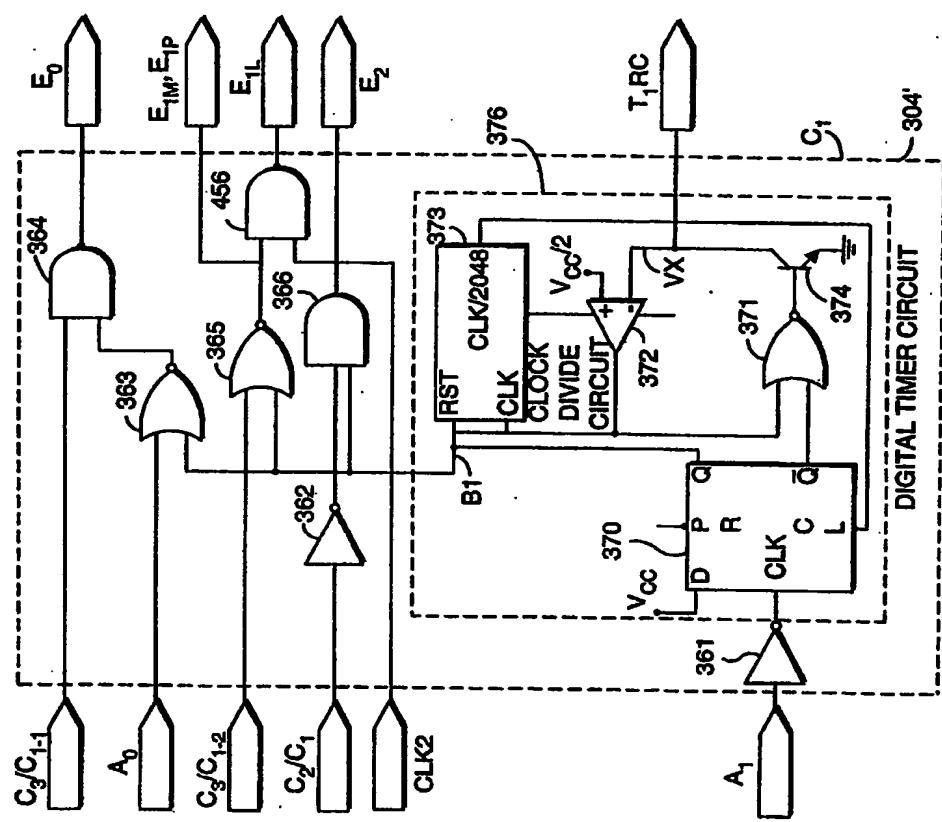


FIG. 22B

FIG. 22C



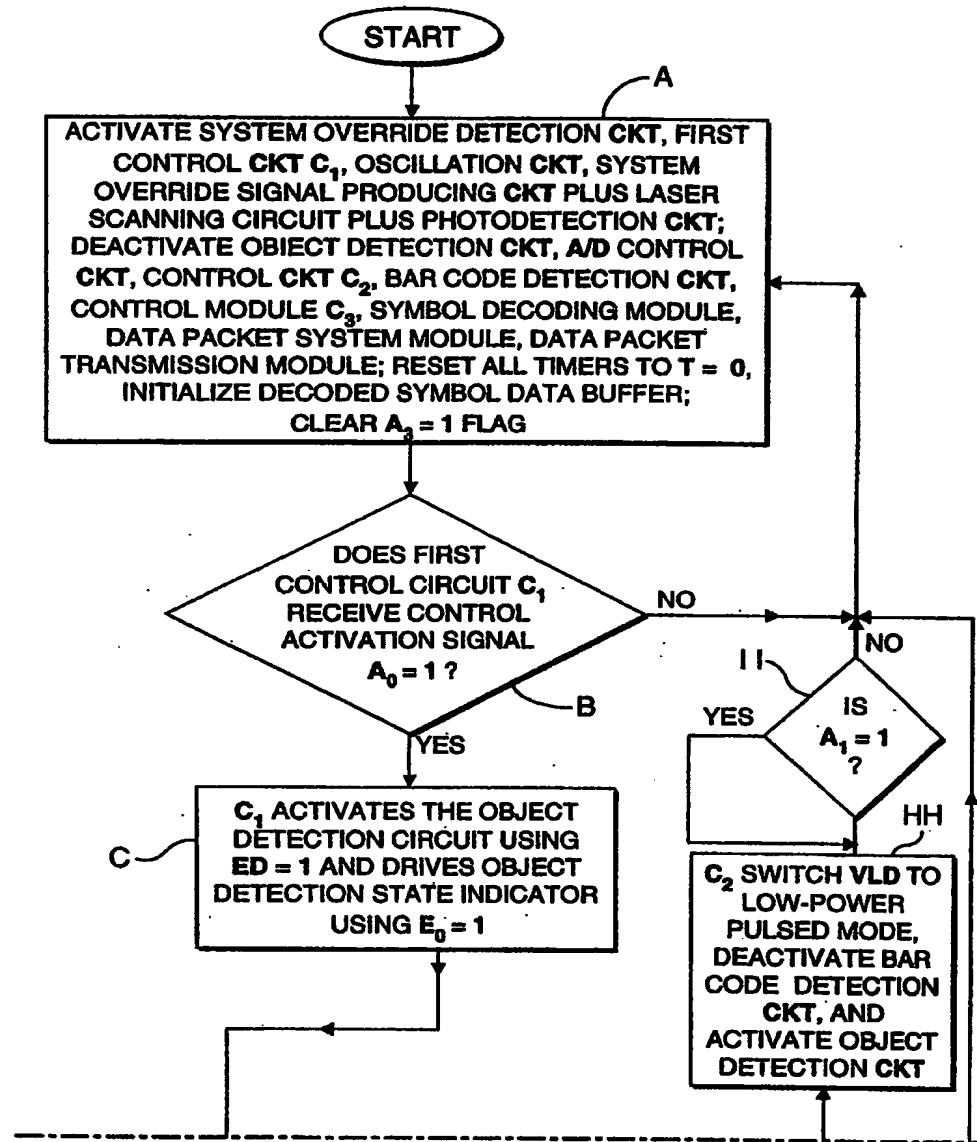


FIG. 23A1

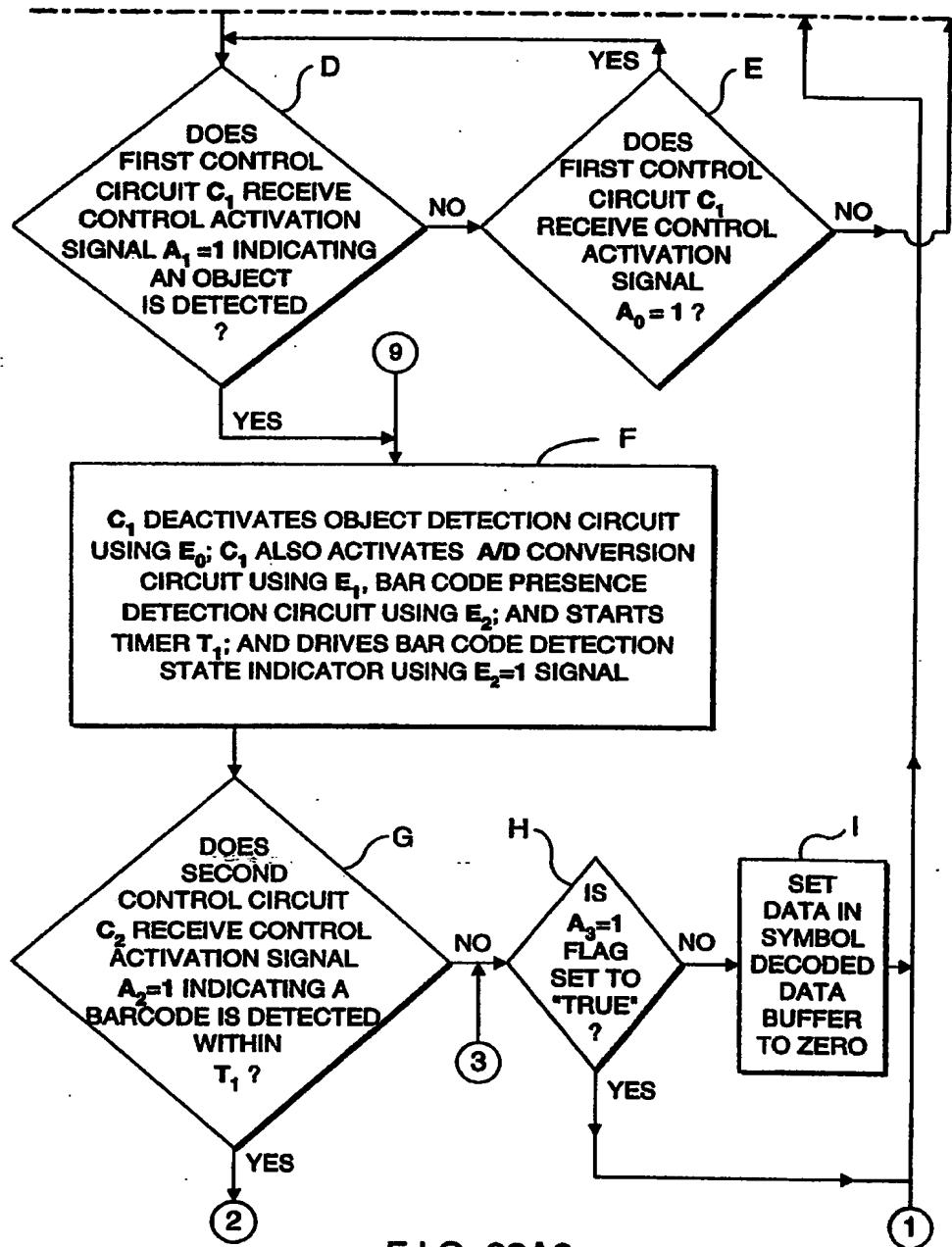


FIG. 23A2

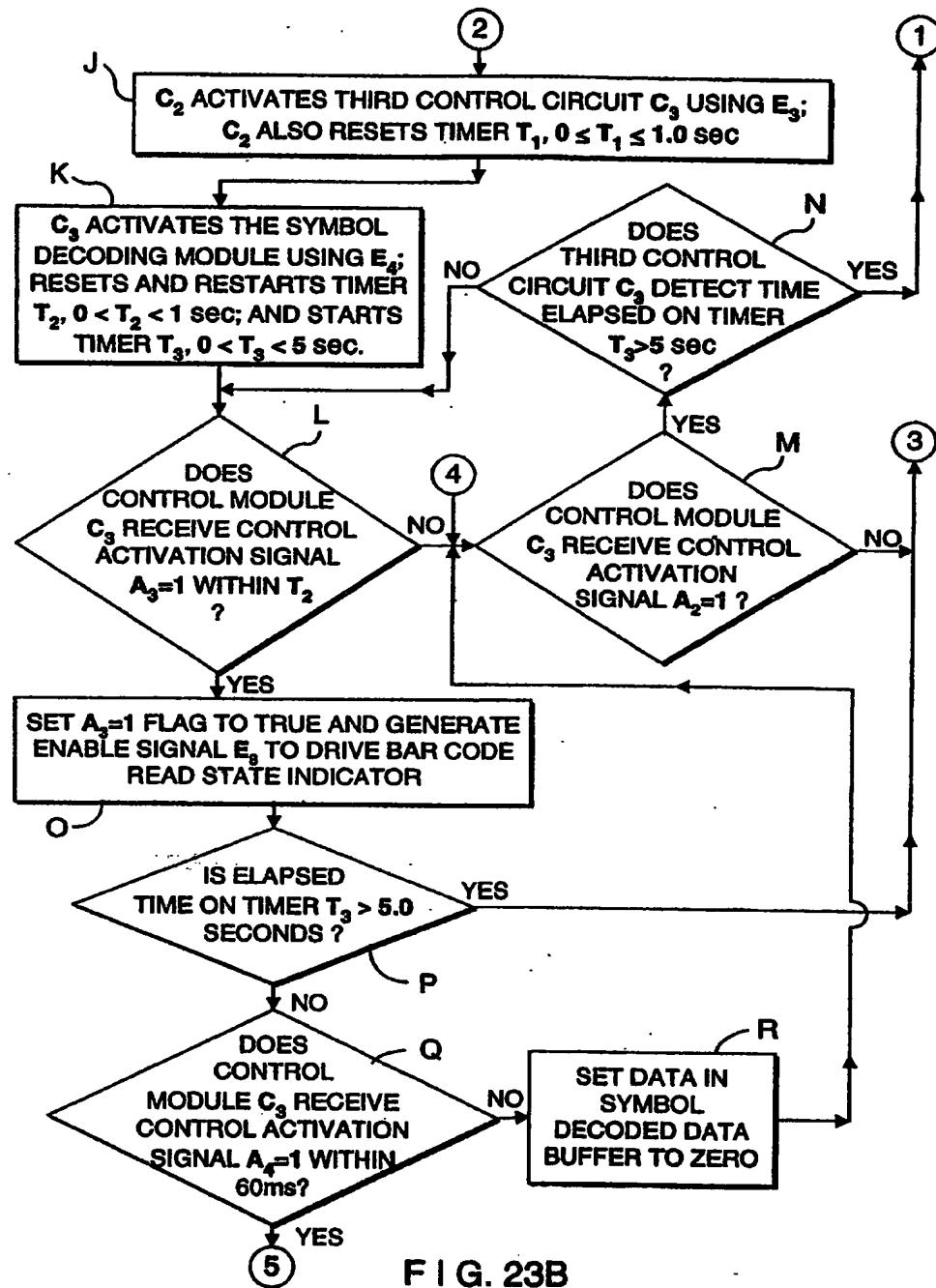


FIG. 23B

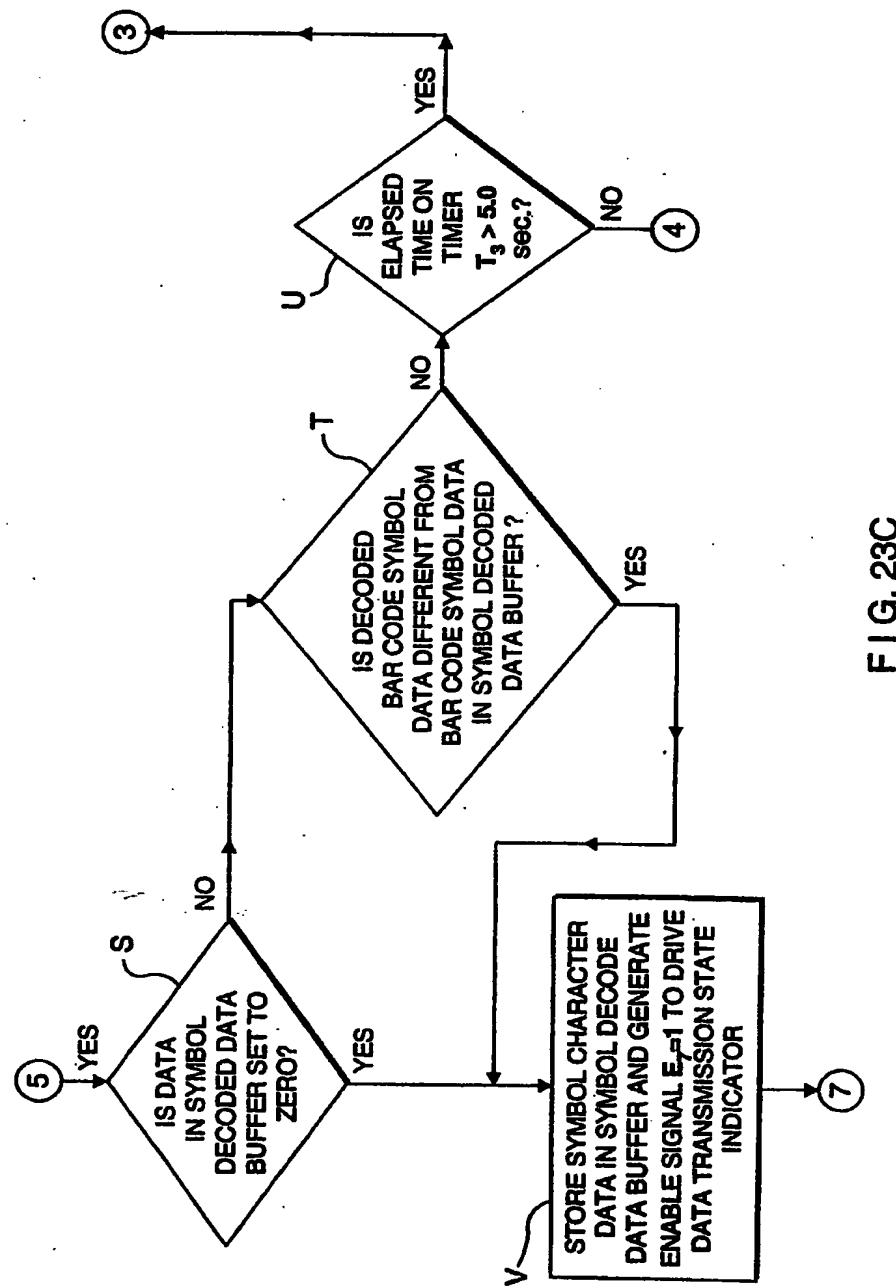


FIG. 23C

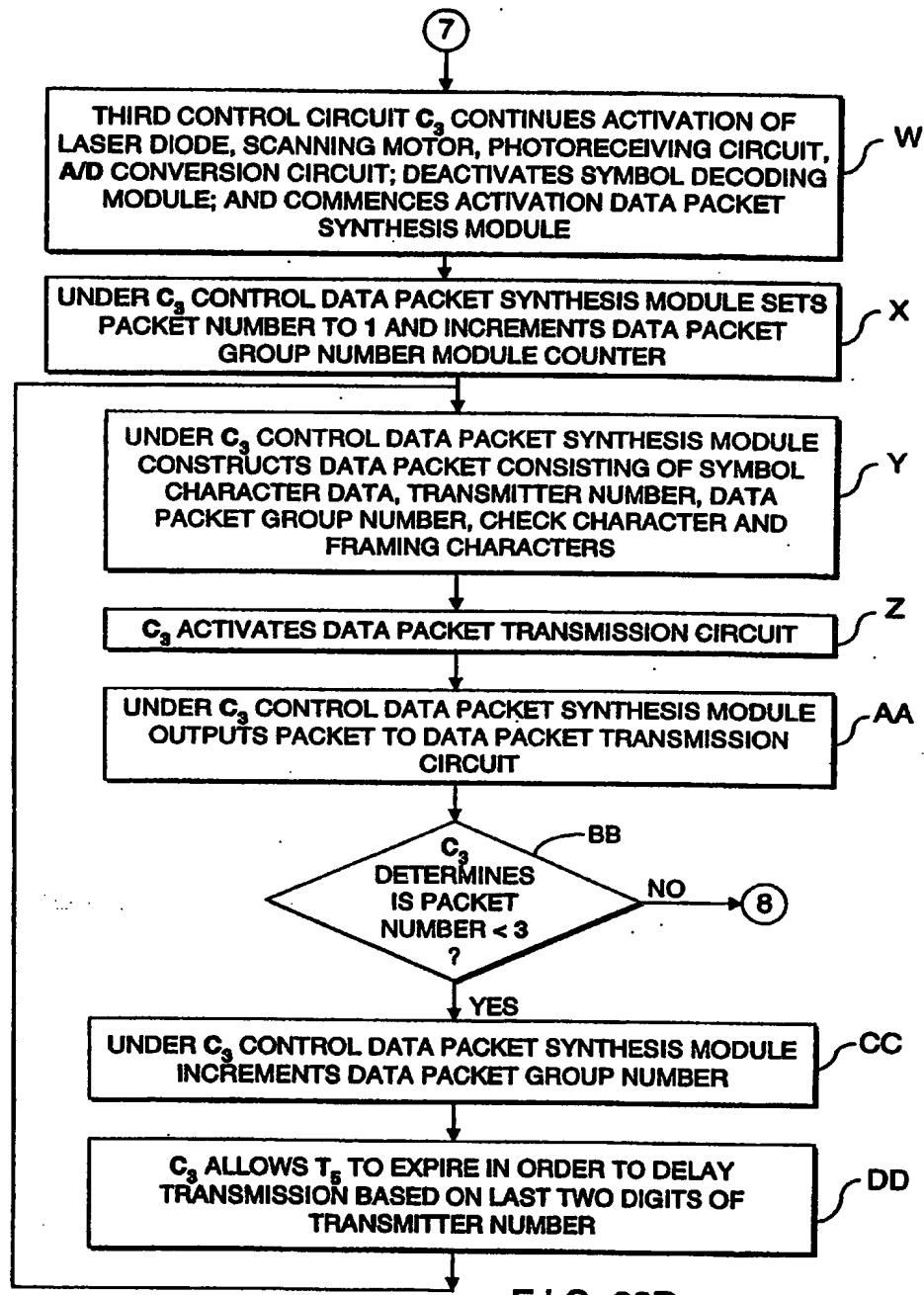


FIG. 23D

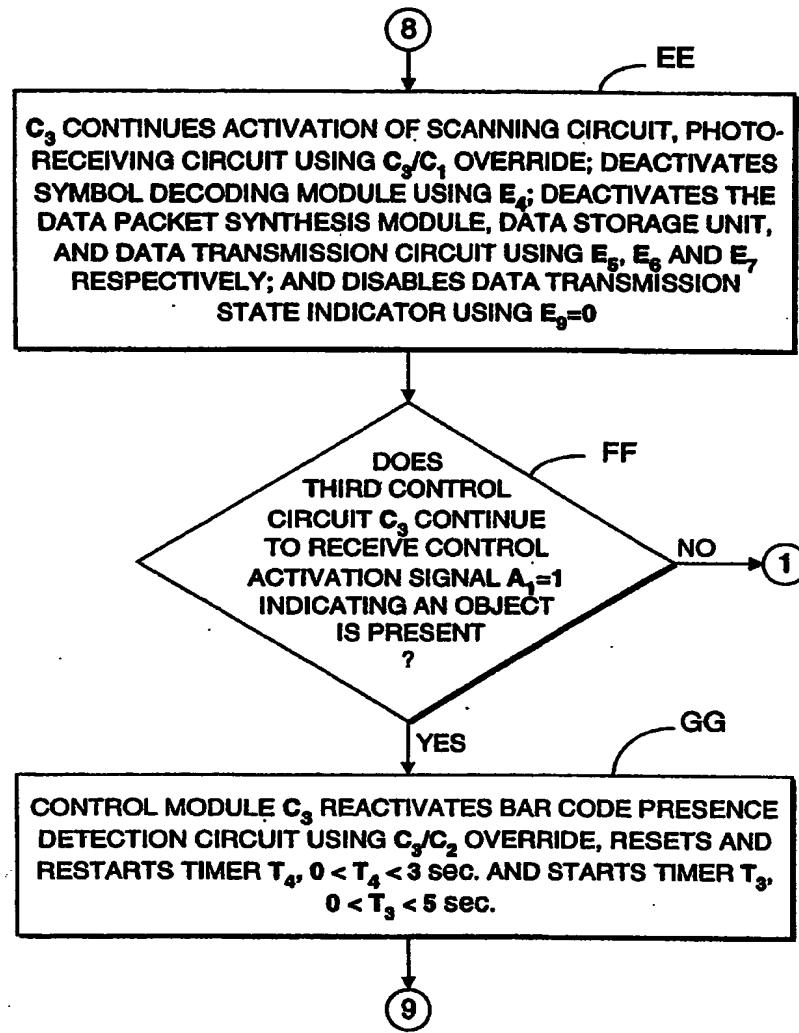


FIG. 23E

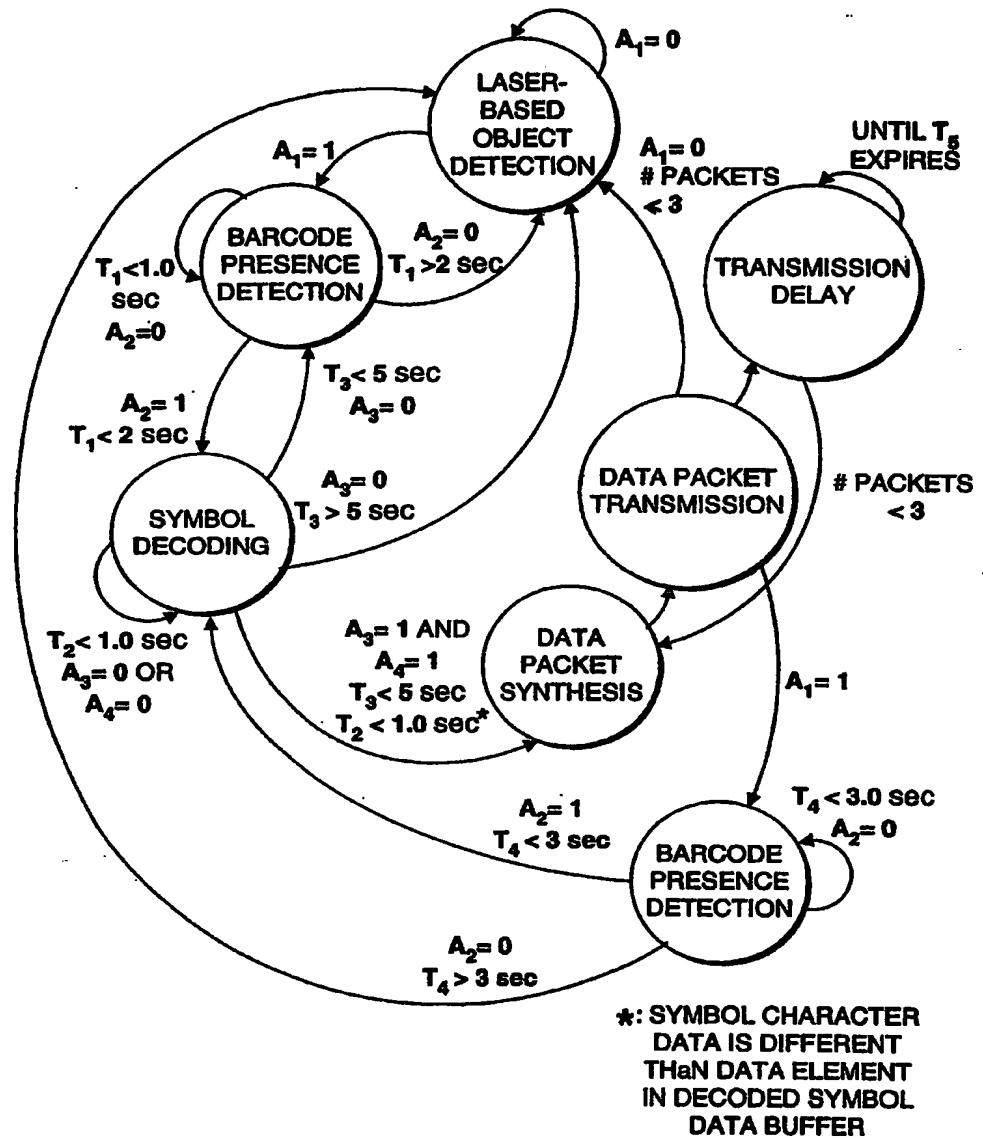


FIG. 24

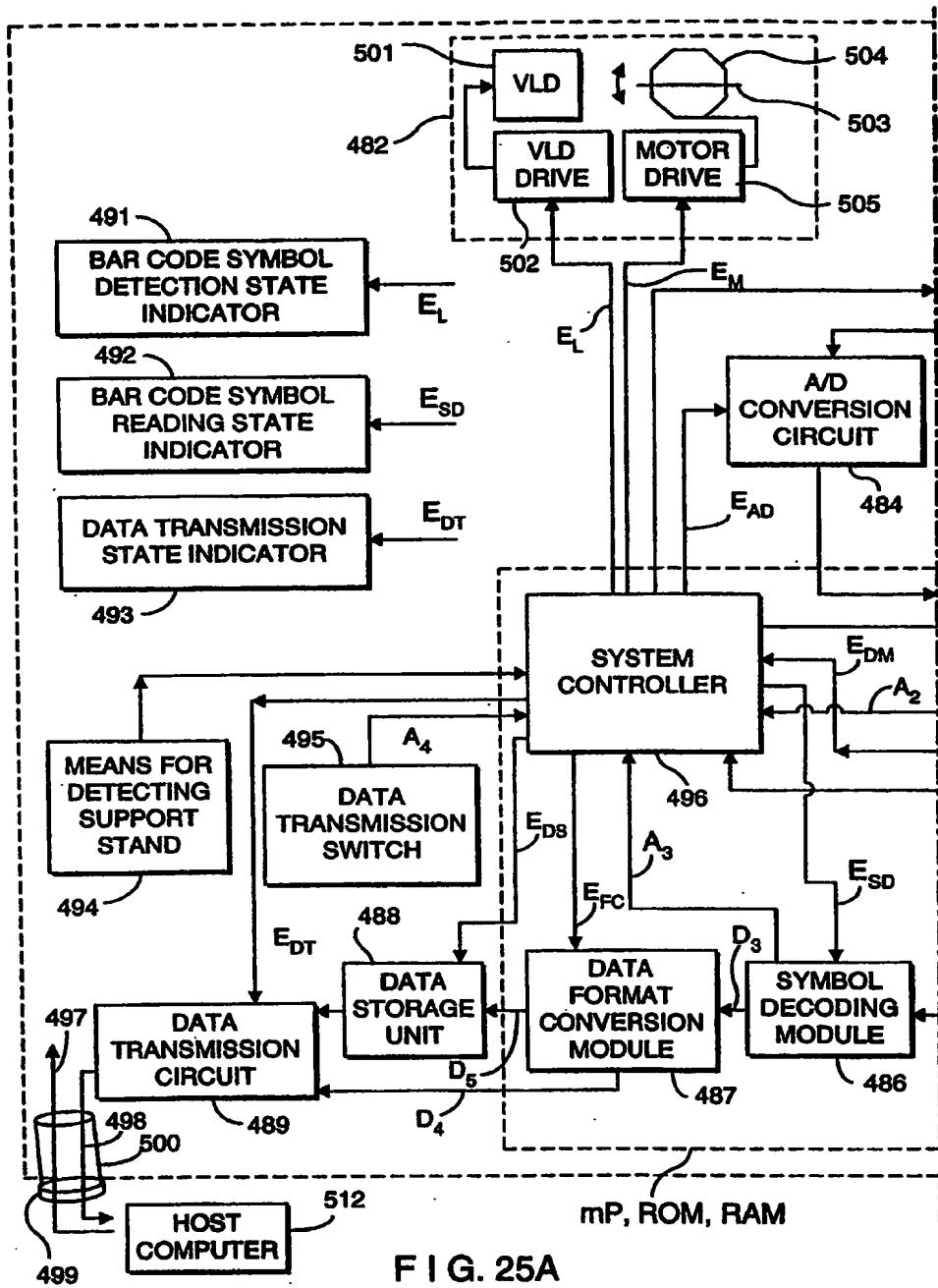


FIG. 25A

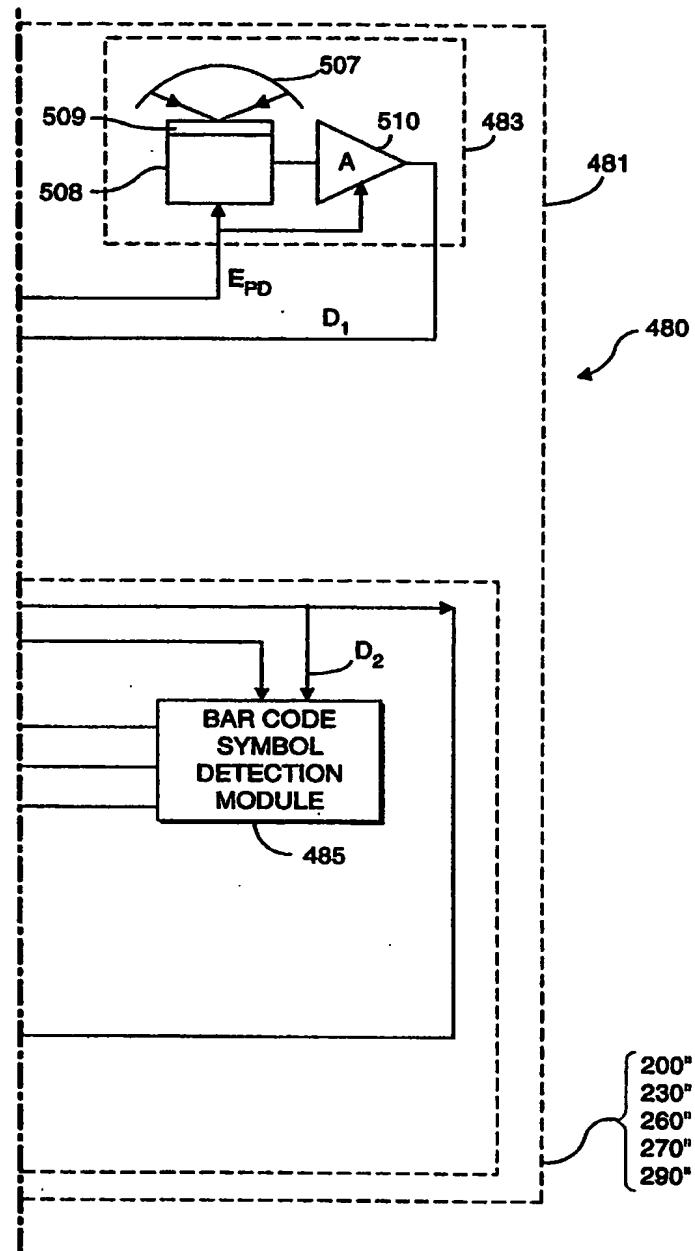


FIG. 25B

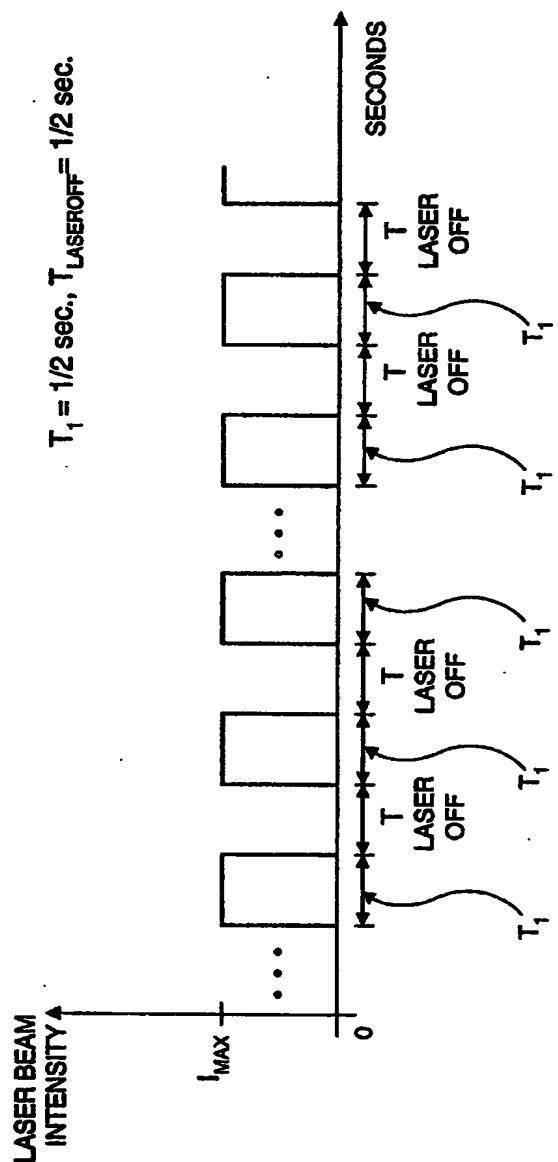


FIG. 26

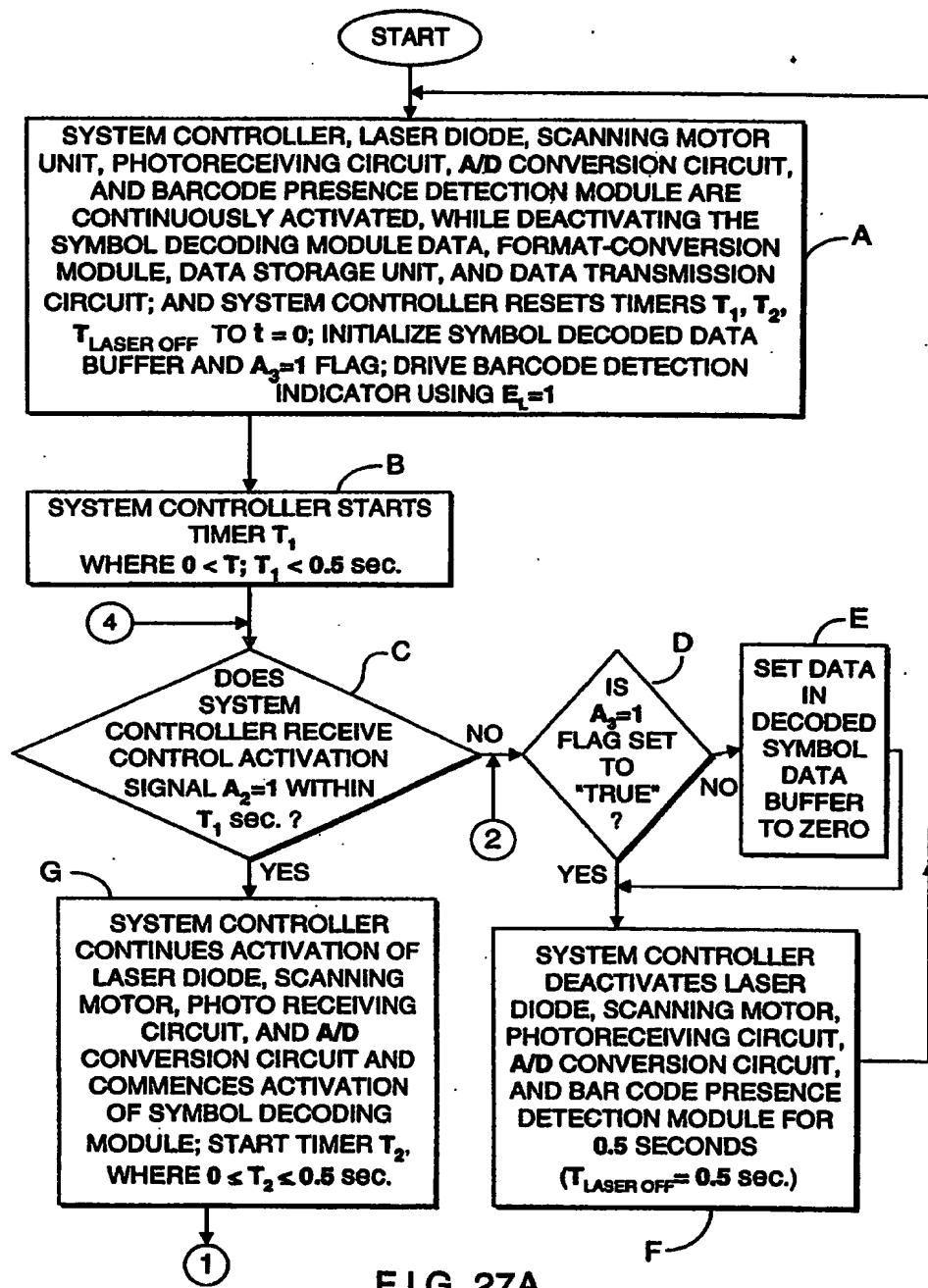


FIG. 27A

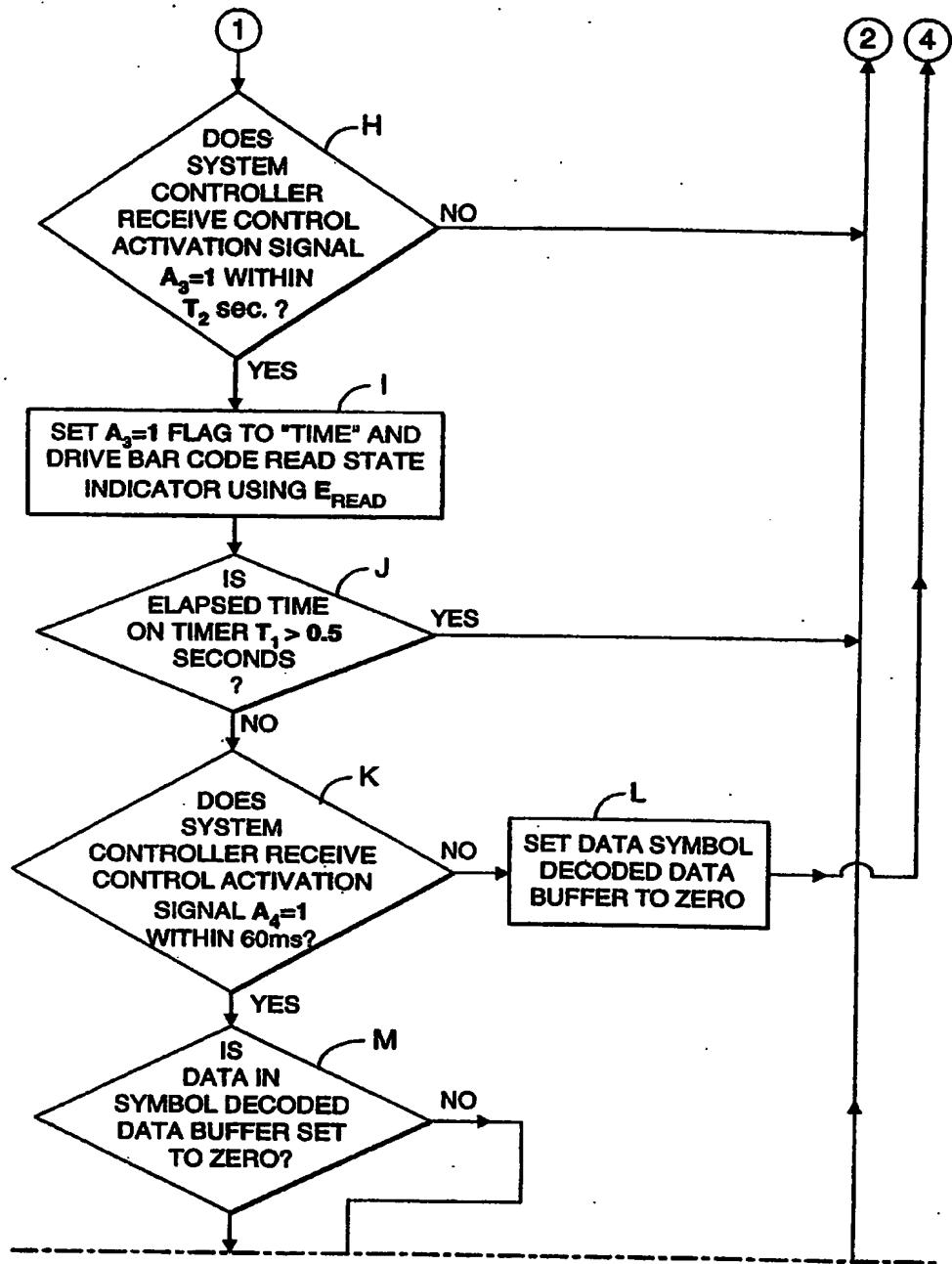


FIG. 27B1

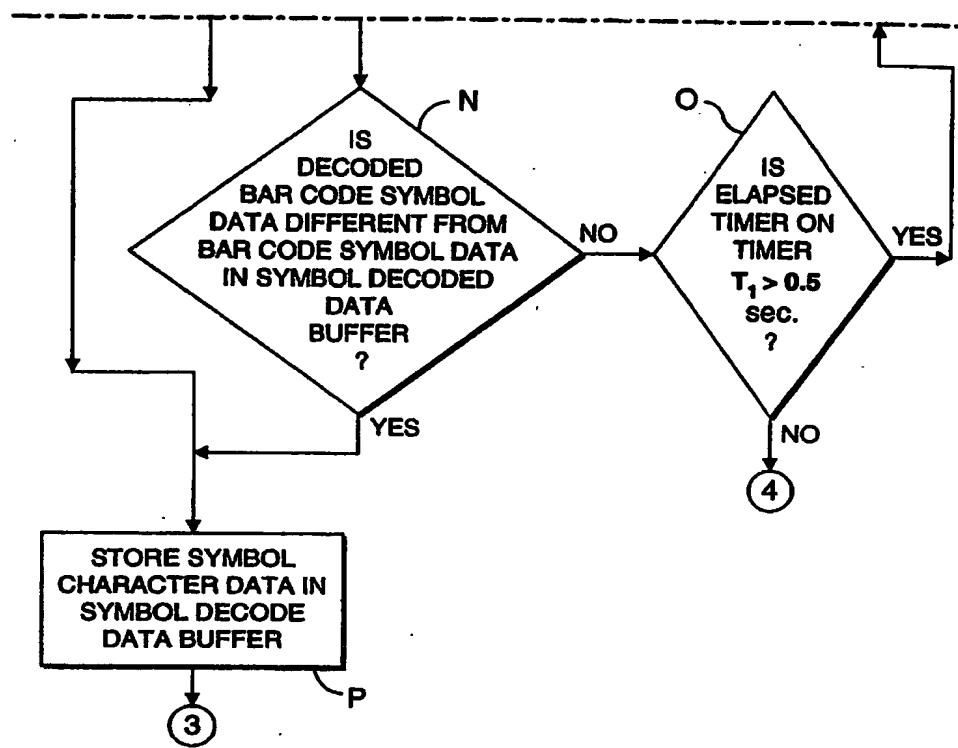


FIG. 27B2

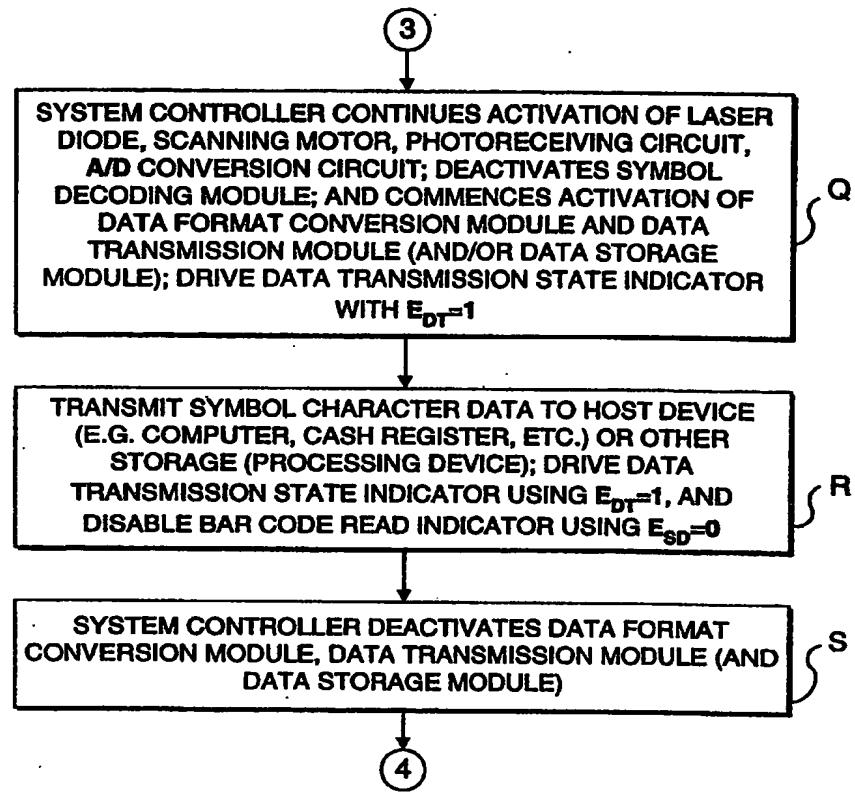


FIG. 27C

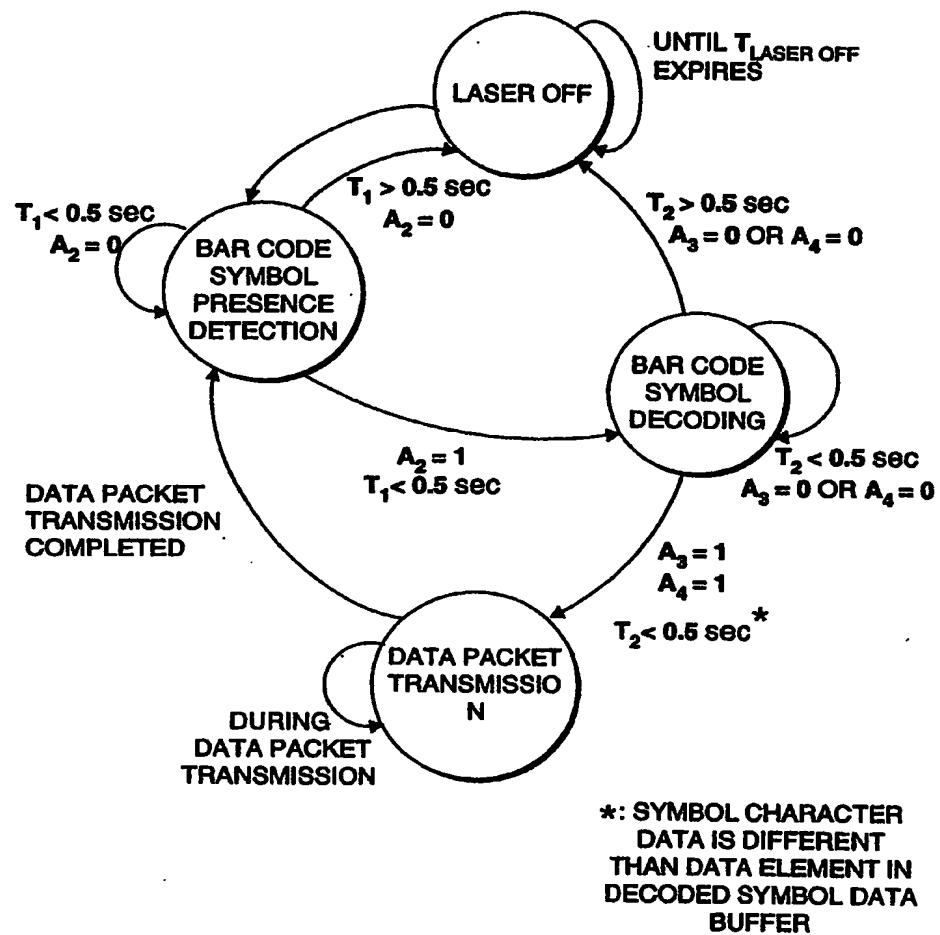
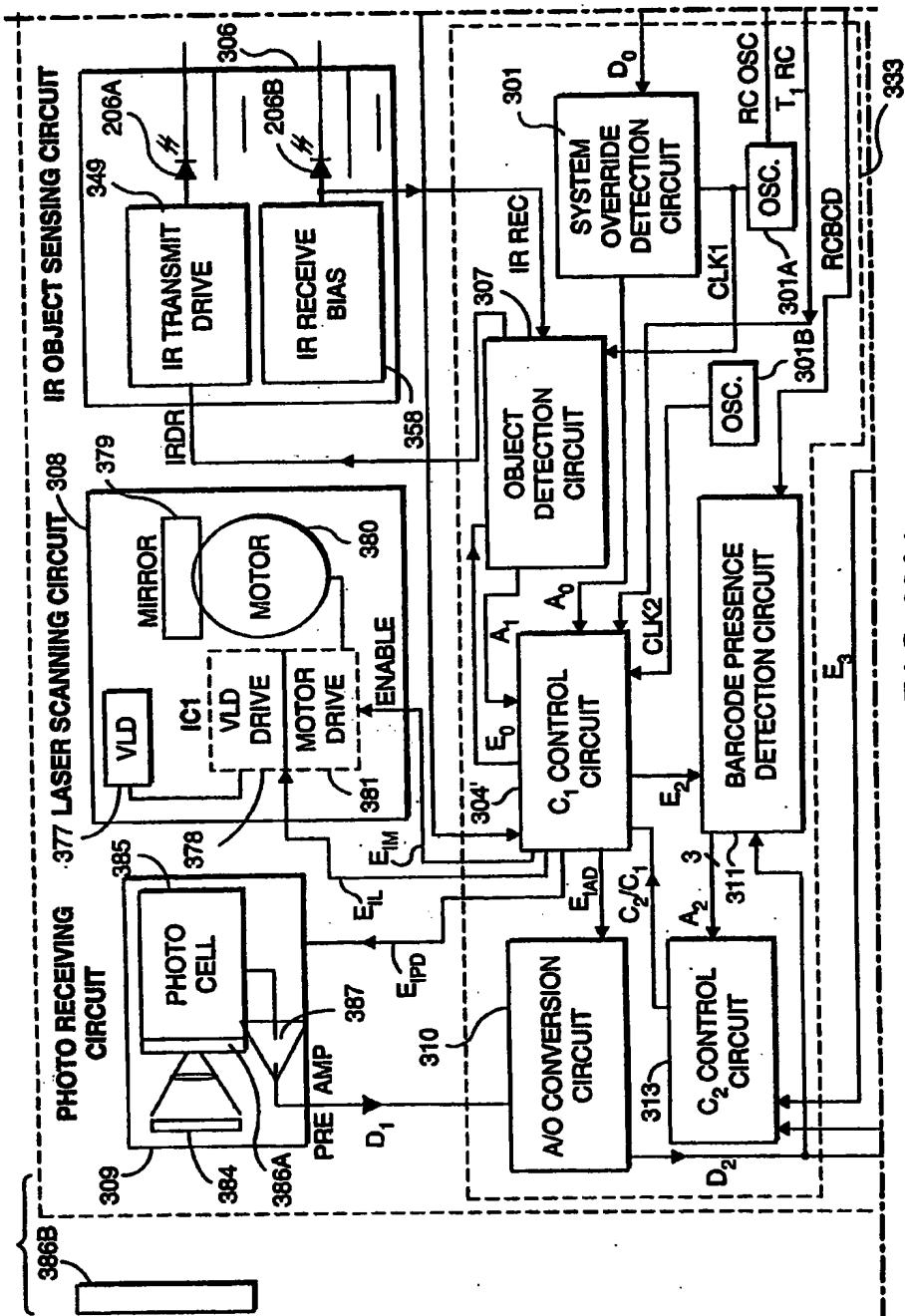
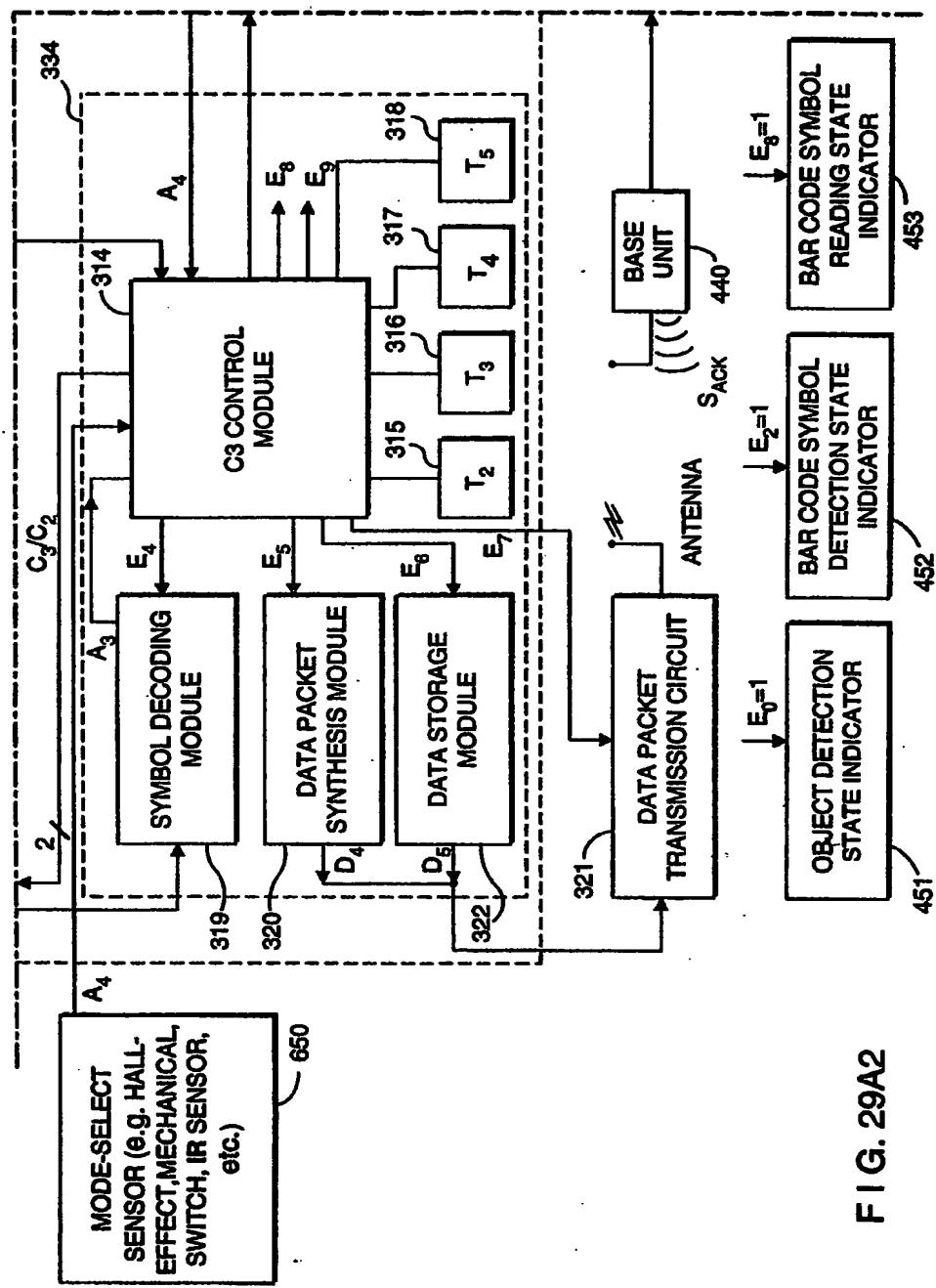


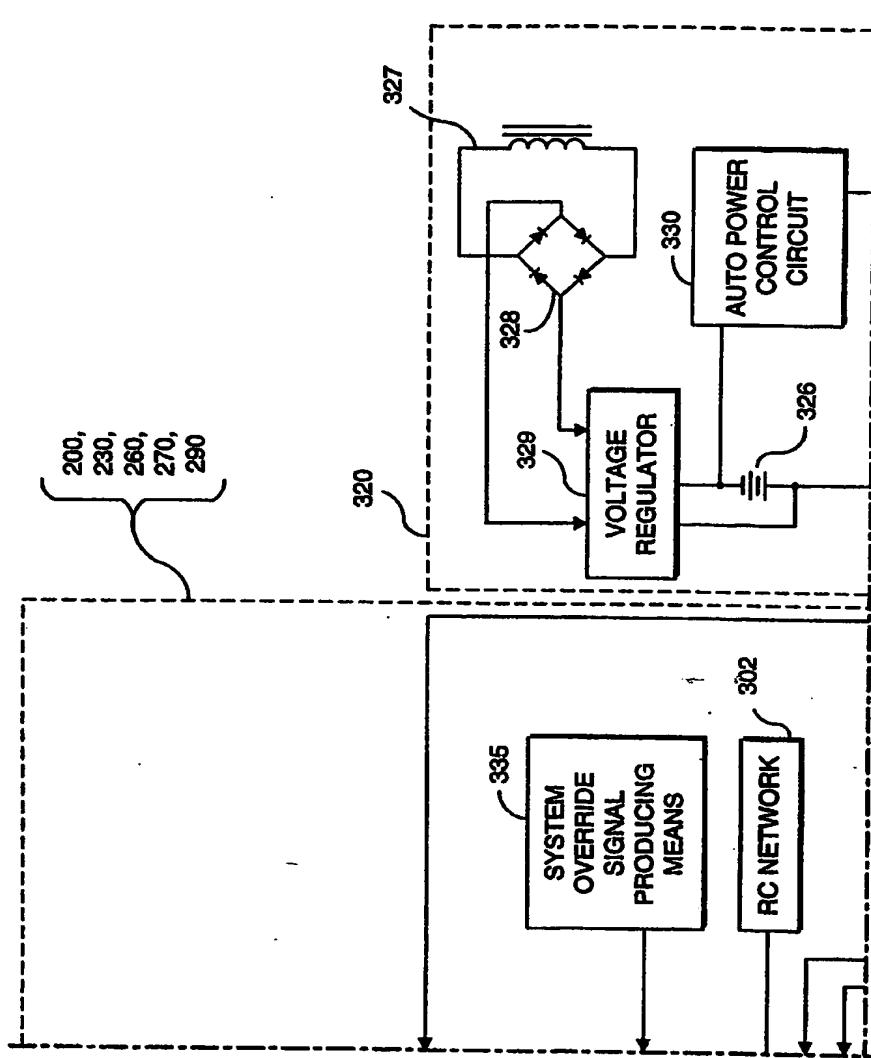
FIG. 28





F I G. 29A2

FIG. 29A3



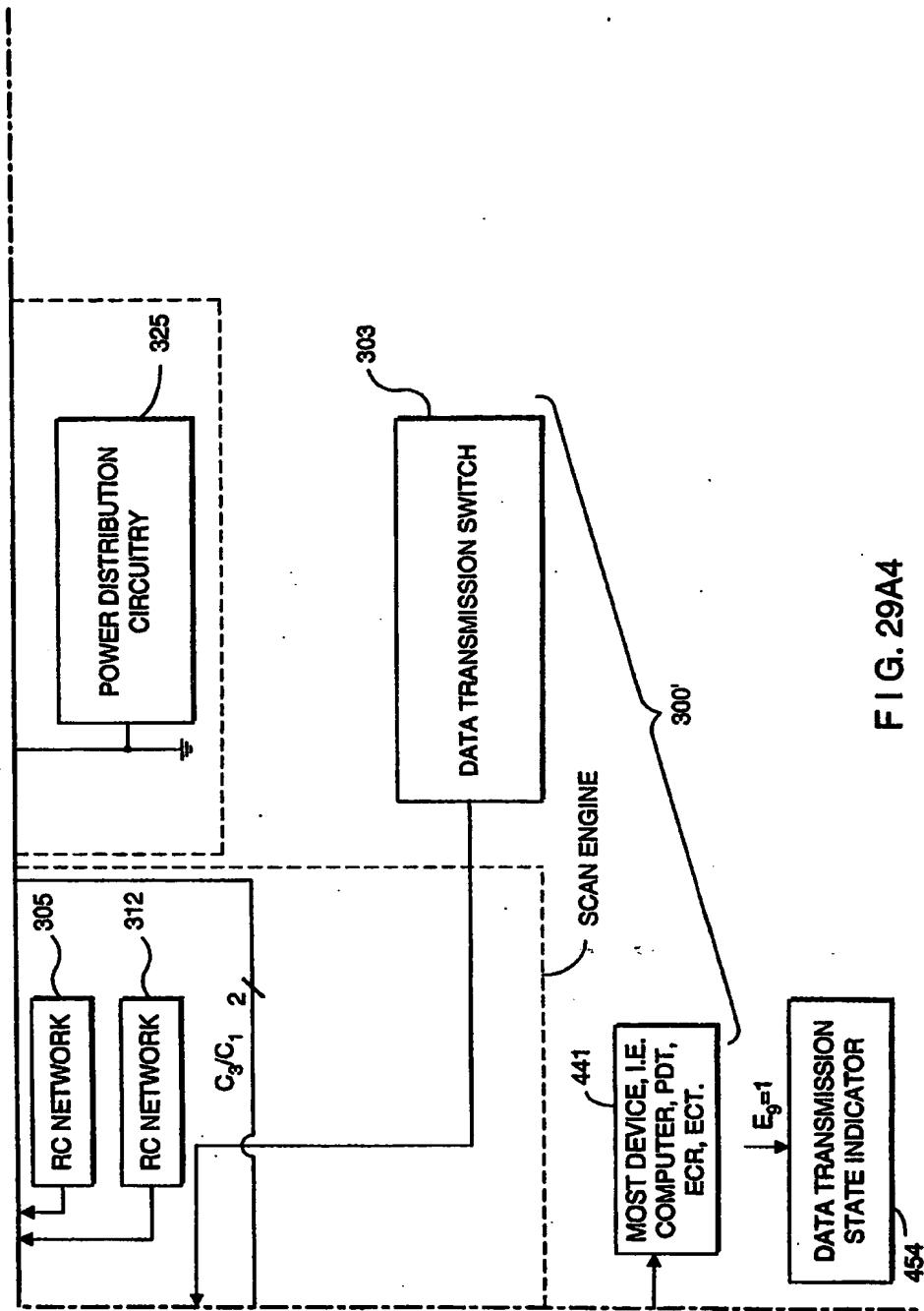


FIG. 29A4

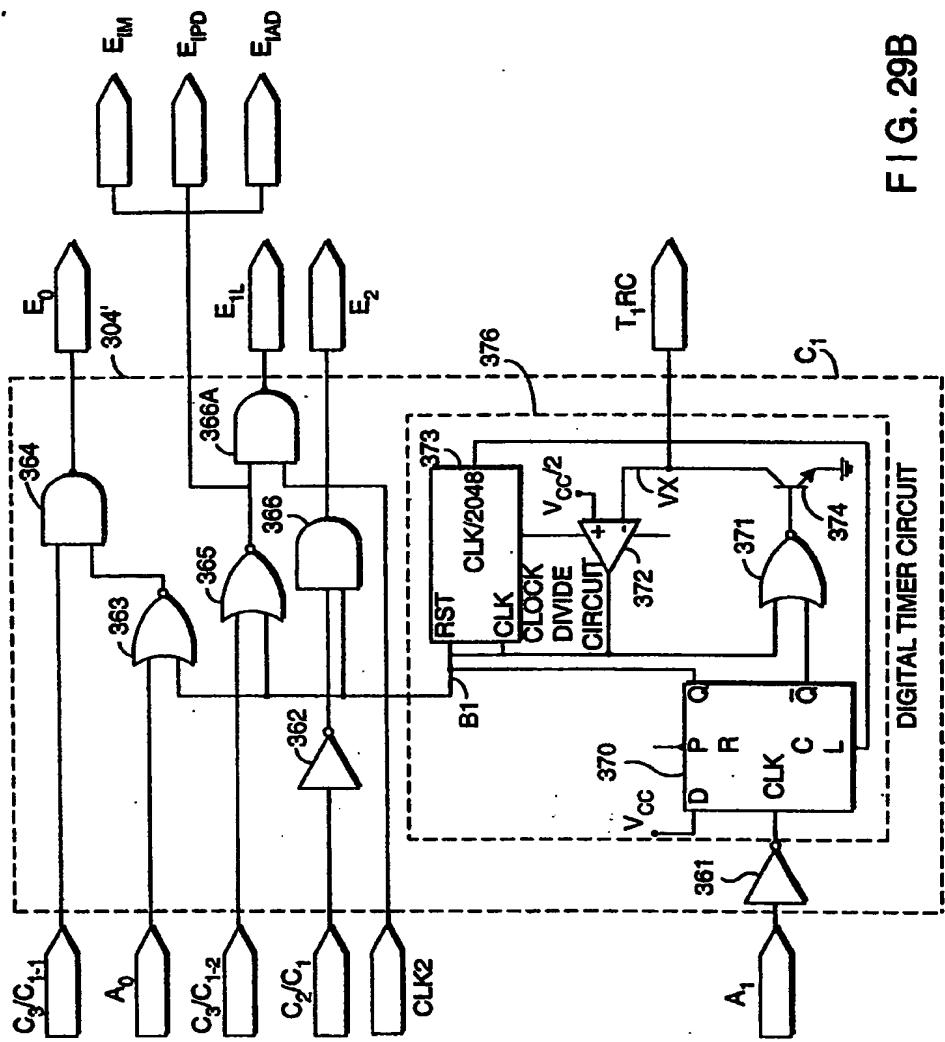


FIG. 29B

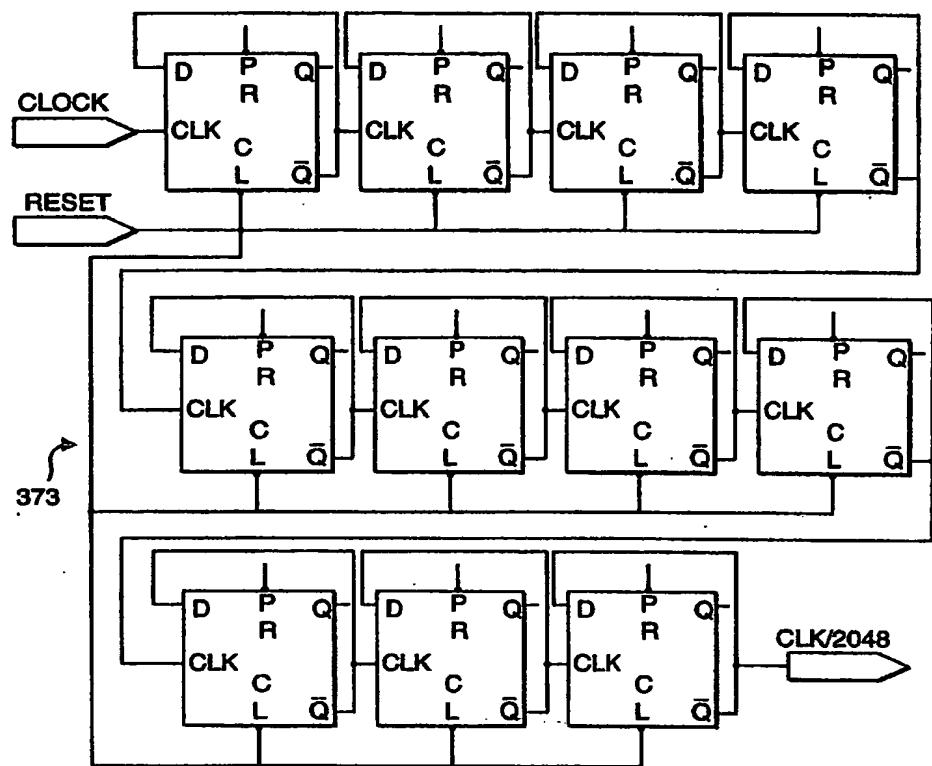


FIG. 29C

$$\left\{
 \begin{array}{l}
 E_0 = \overline{(B1 + A_0)(C_3/C_{1.1})} \\
 E_{IM} = E_{IPD} = E_{IAD} = \overline{(C_3/C_{1.2}) + B1} \\
 E_L = \overline{[(C_3/C_{1.1}) + B1]} [B2] \\
 E_2 = \overline{(C_2/C_1)} (B1)
 \end{array}
 \right.$$

FIG. 29D

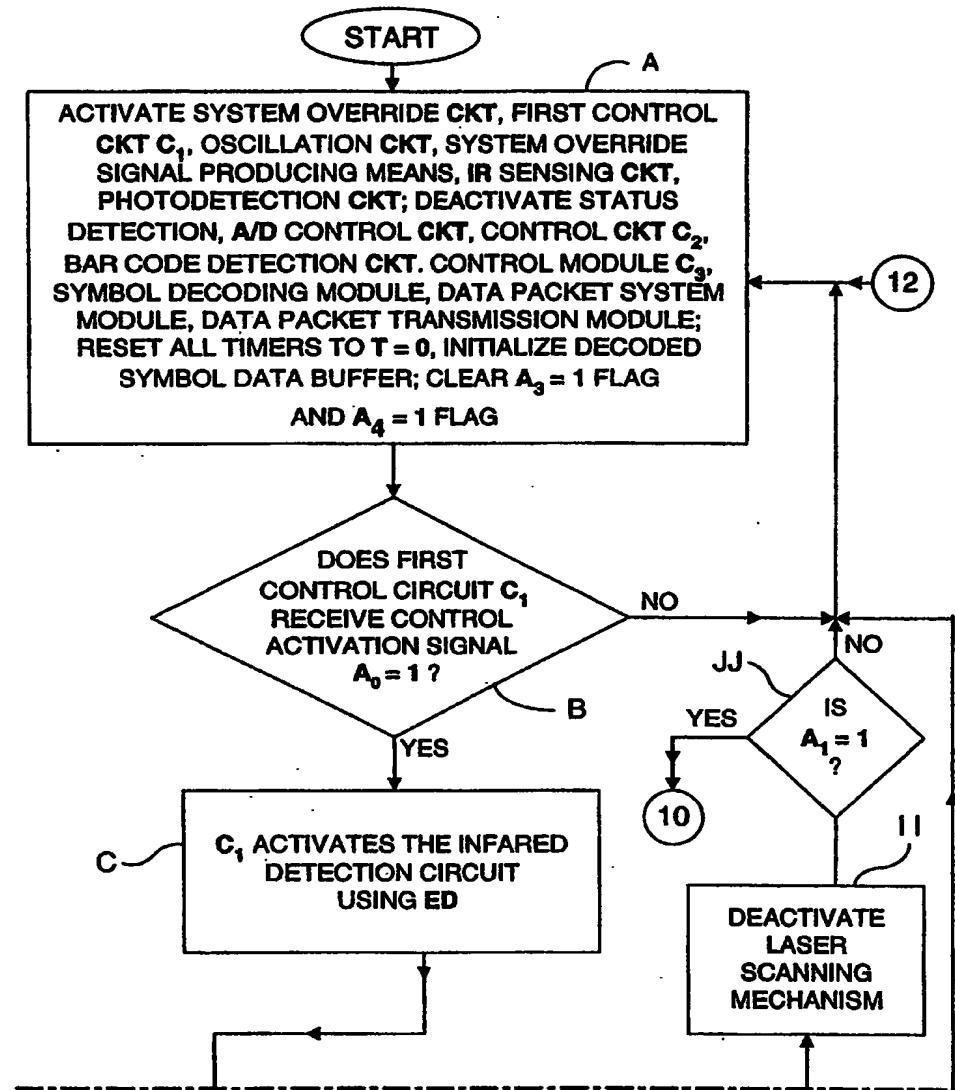


FIG. 30A1

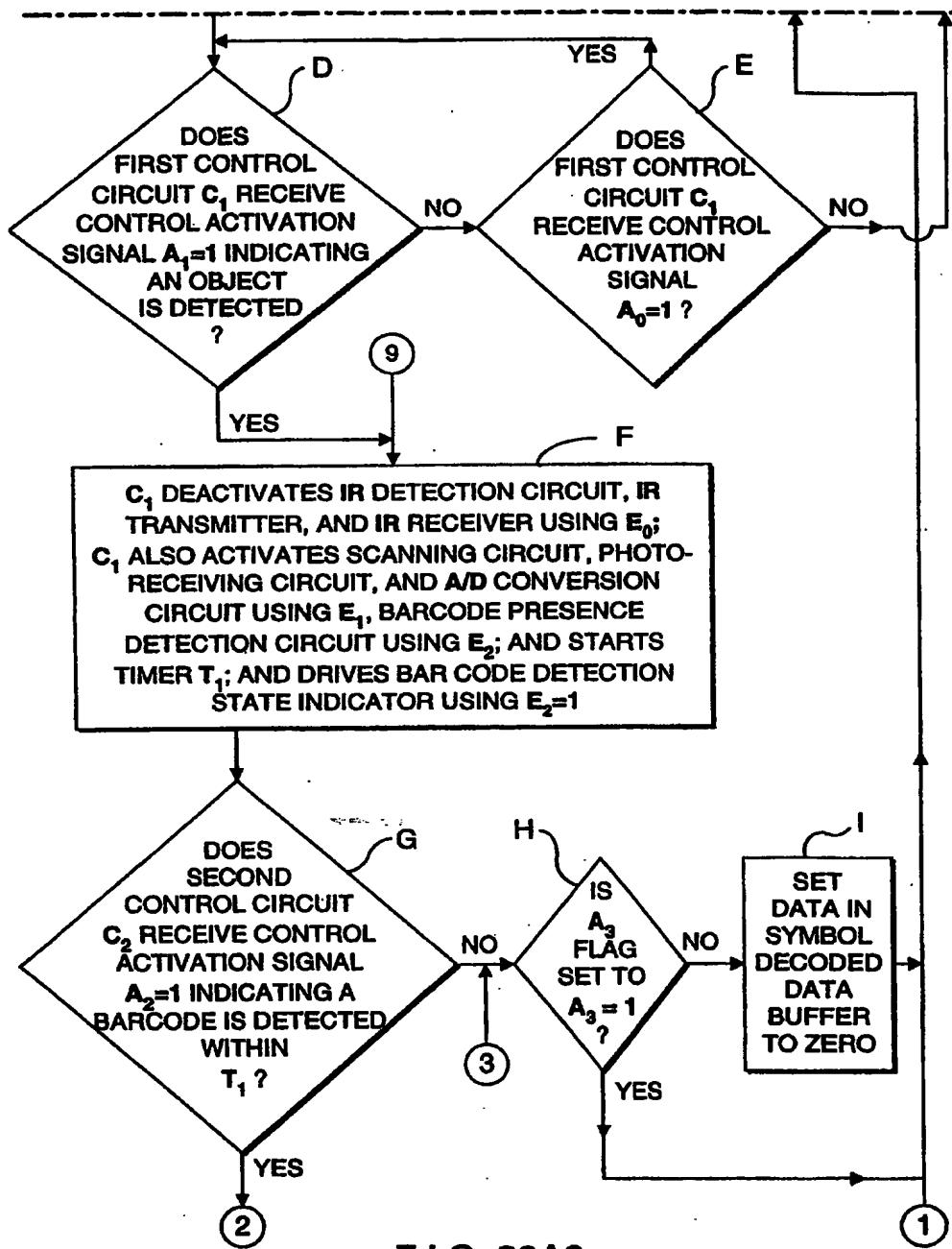


FIG. 30A2

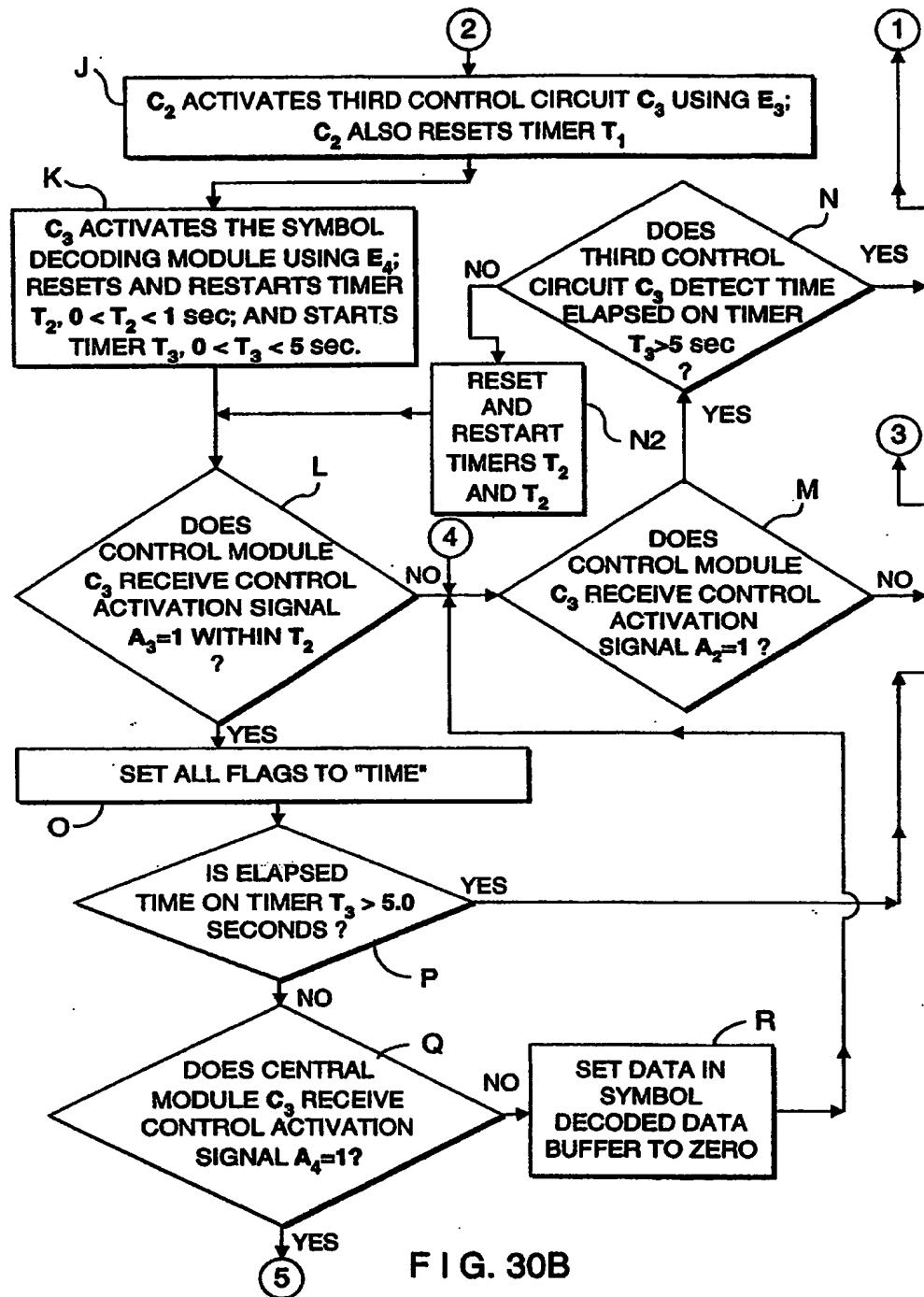
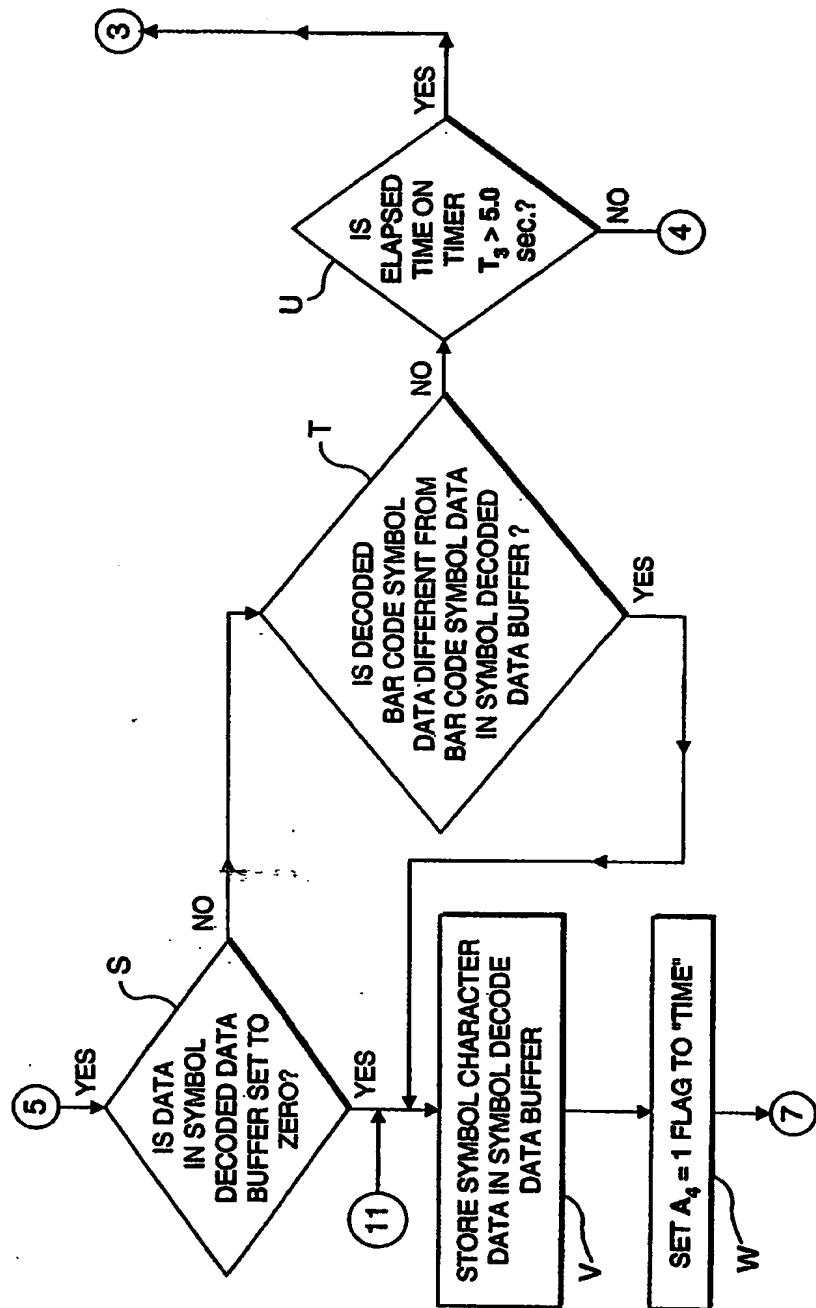


FIG. 30B

F I G. 30C



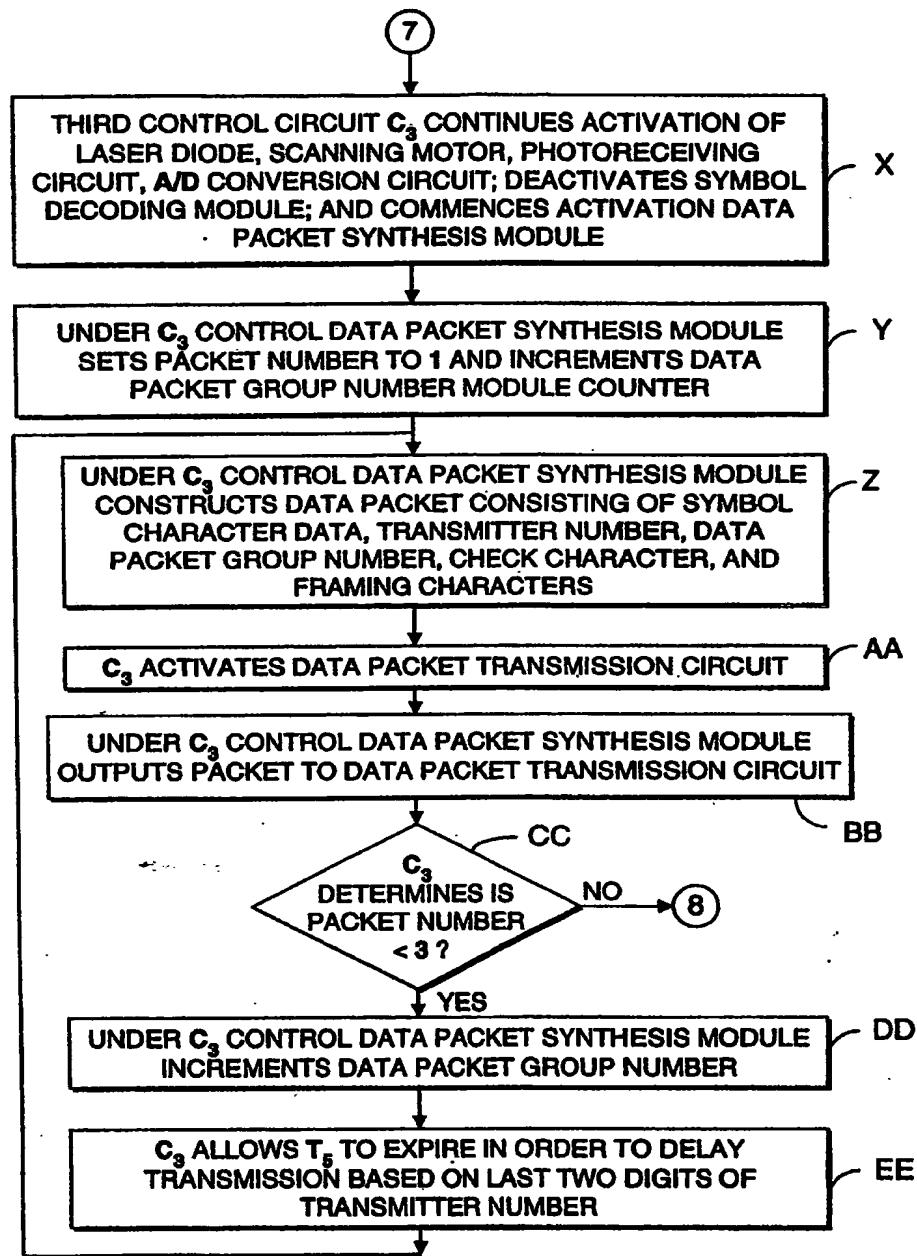
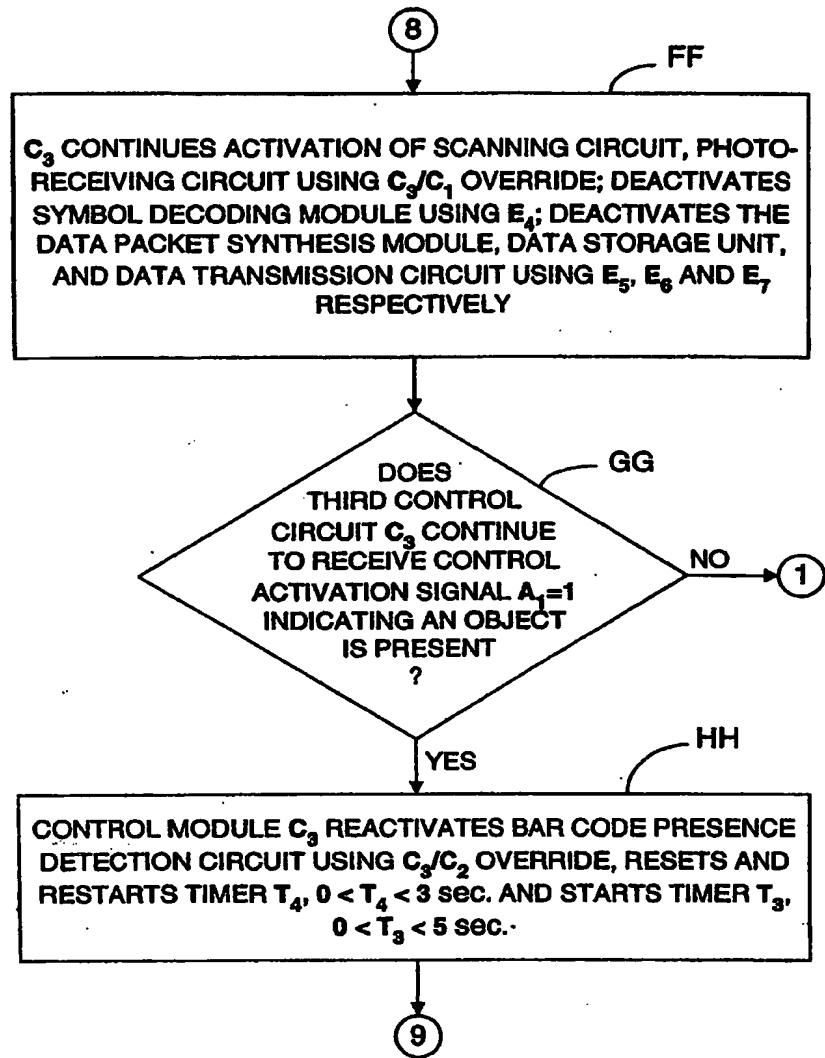


FIG. 30D



F I G. 30E

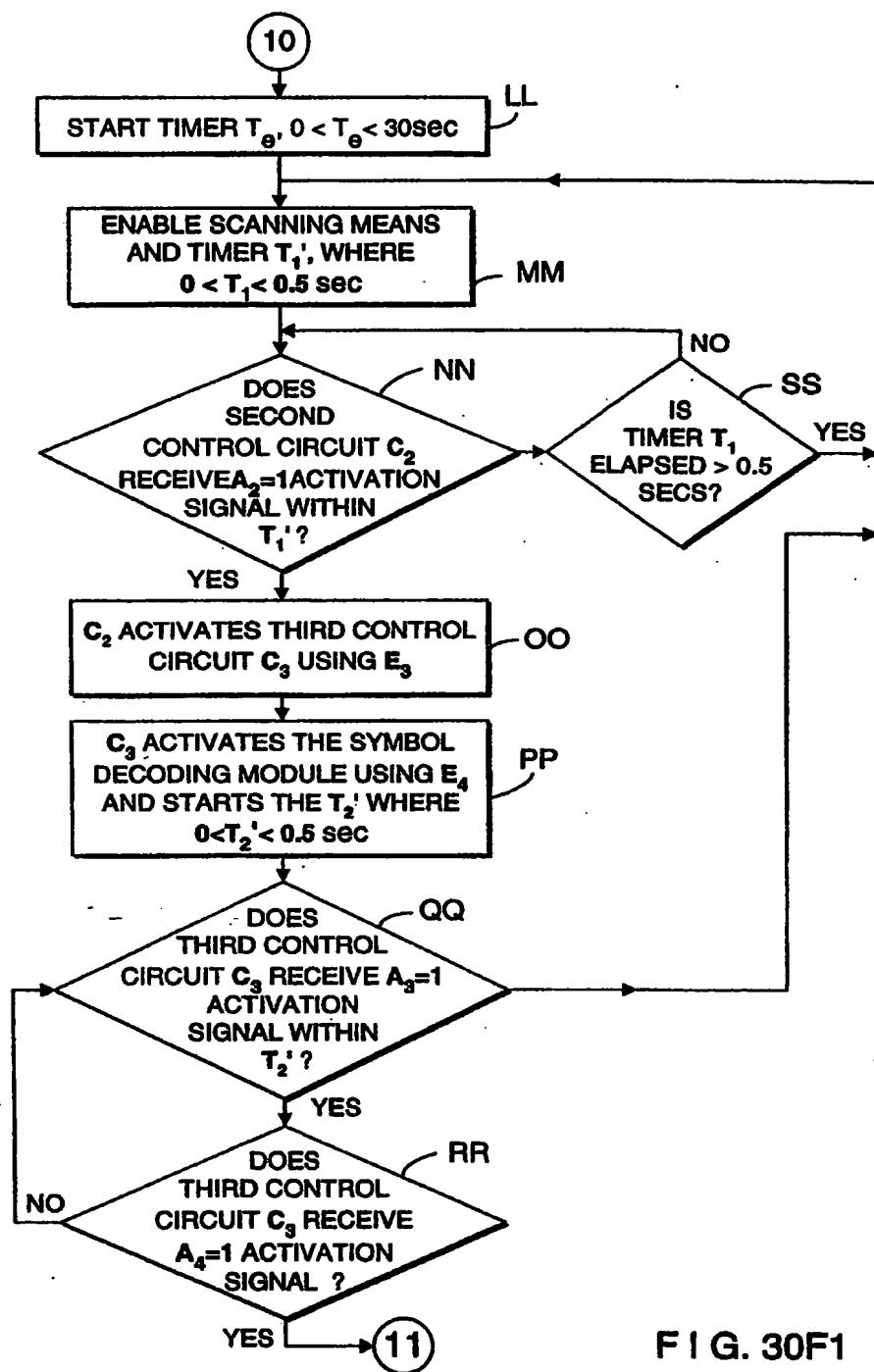
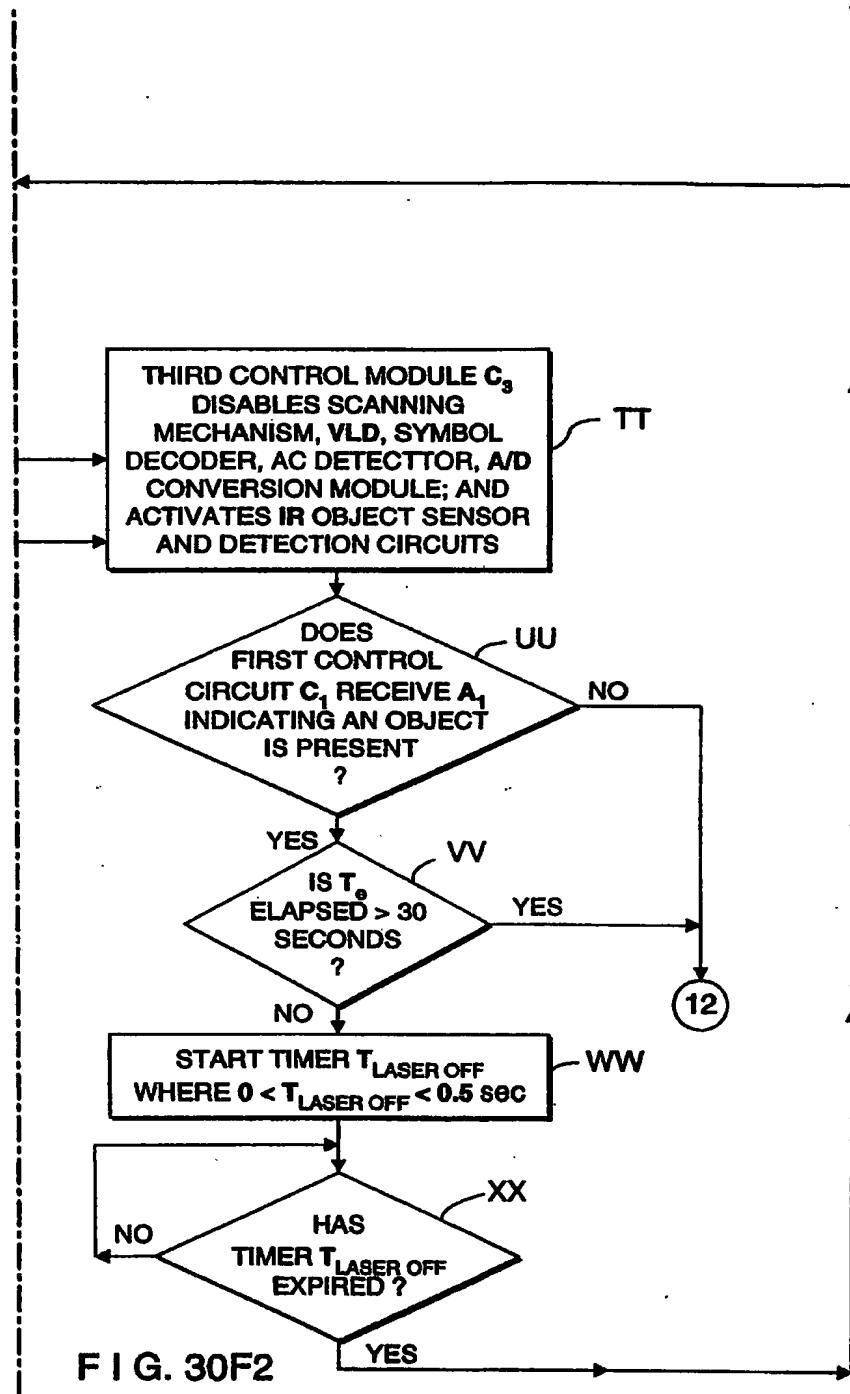


FIG. 30F1



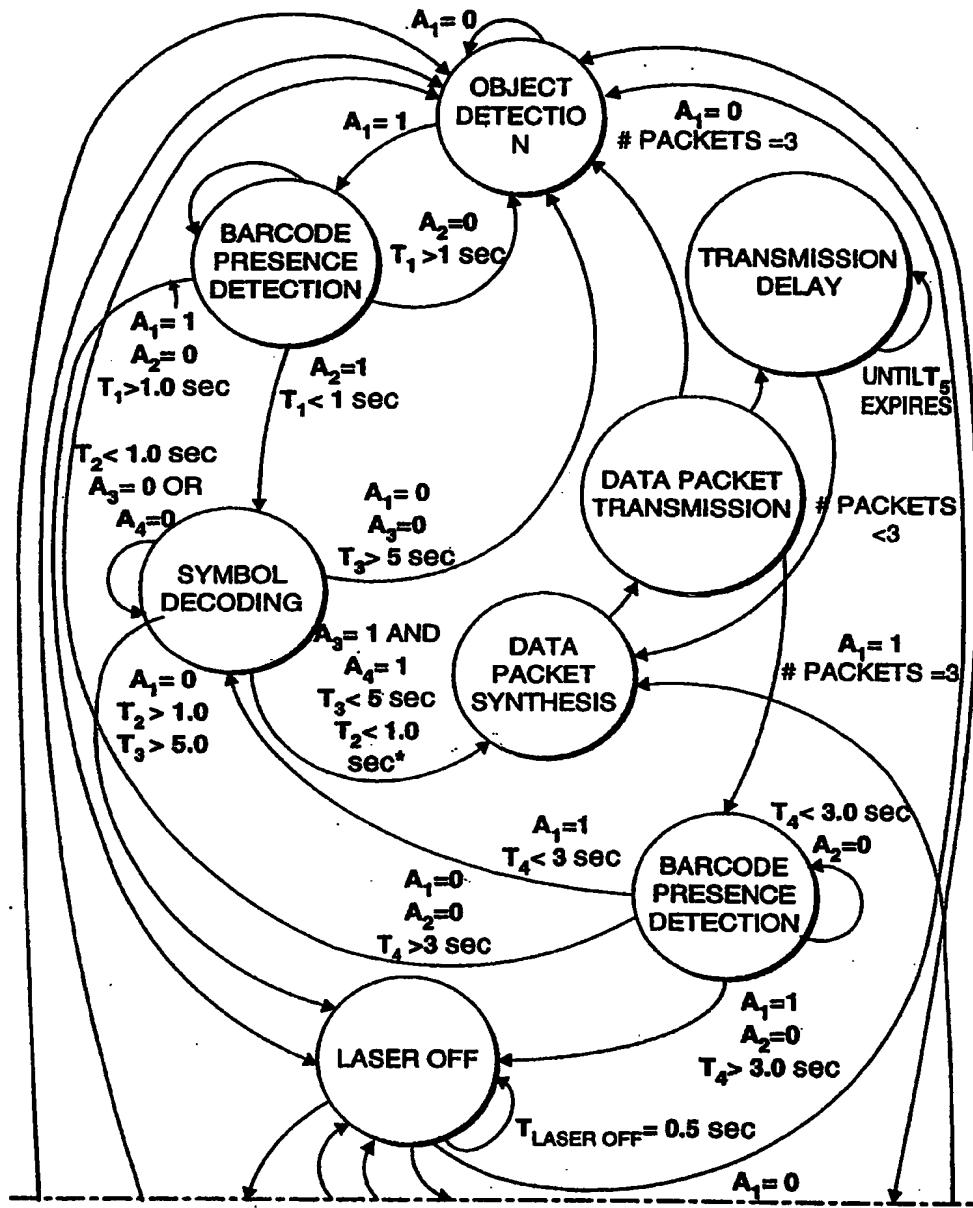


FIG. 31A

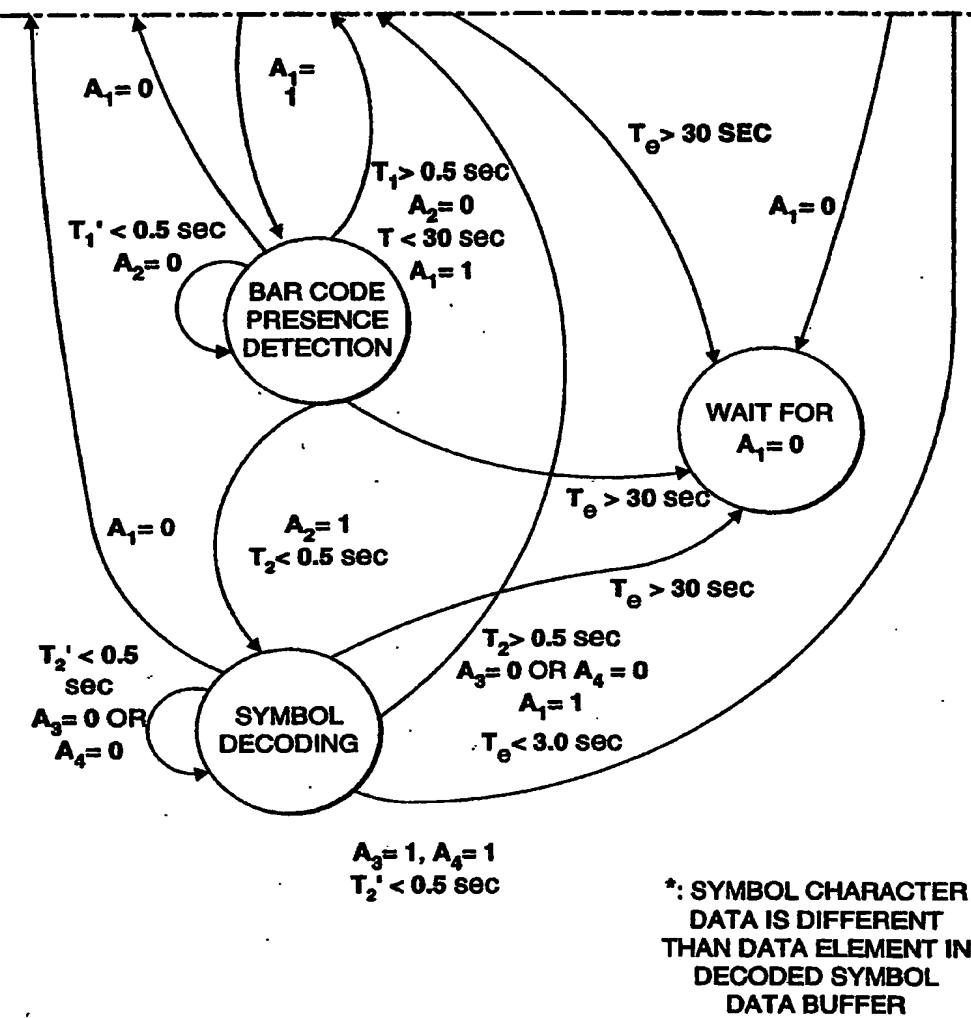


FIG. 31B

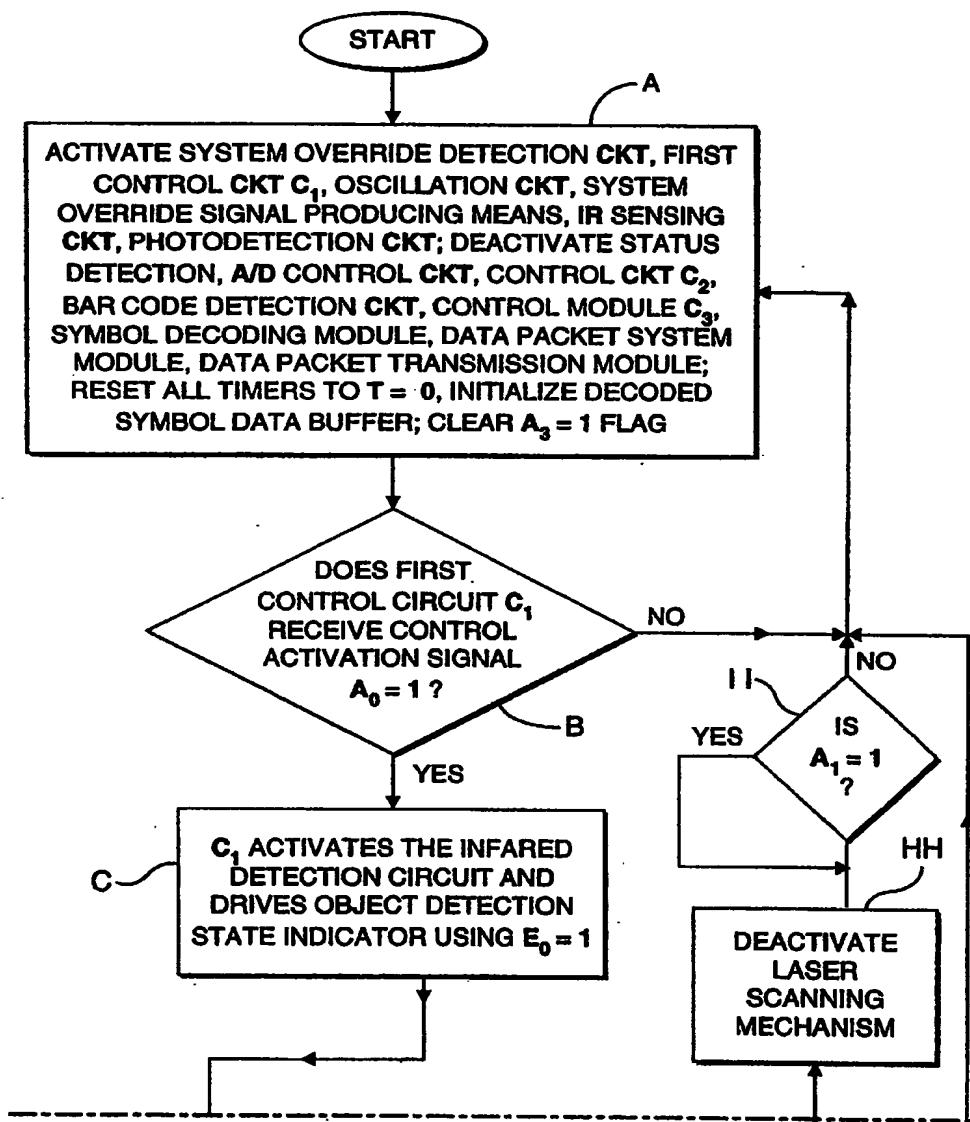


FIG. 32A1

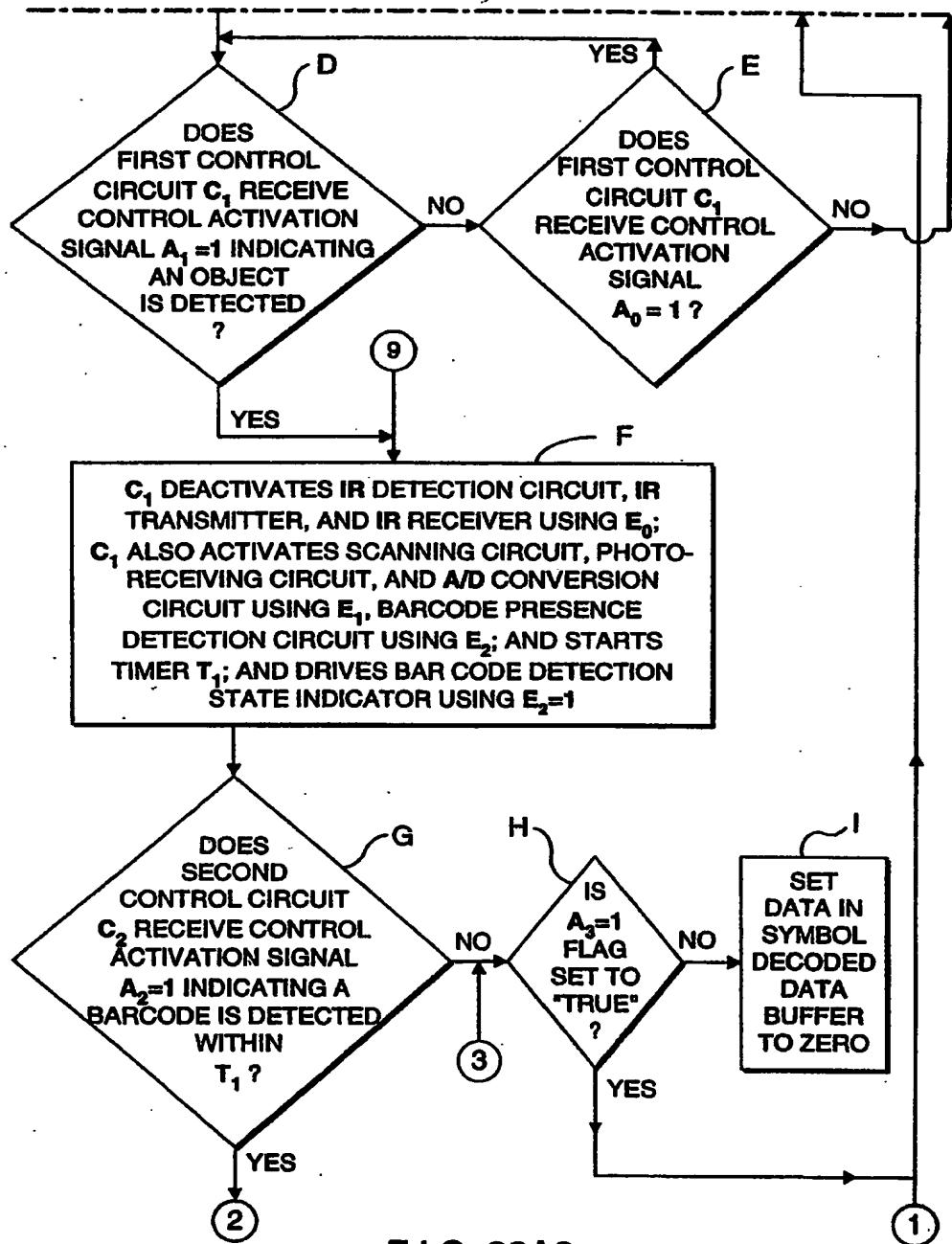


FIG. 32A2

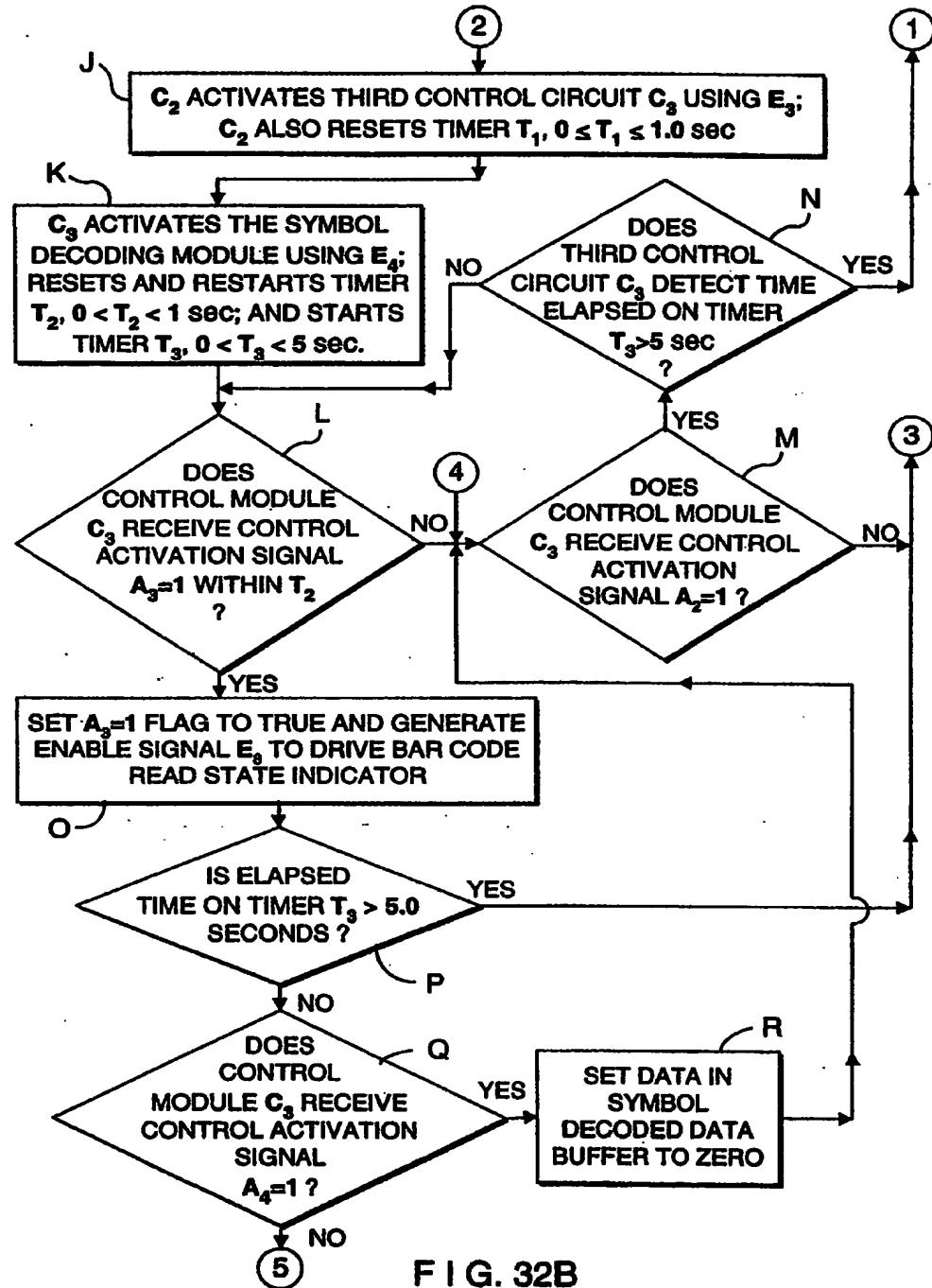


FIG. 32B

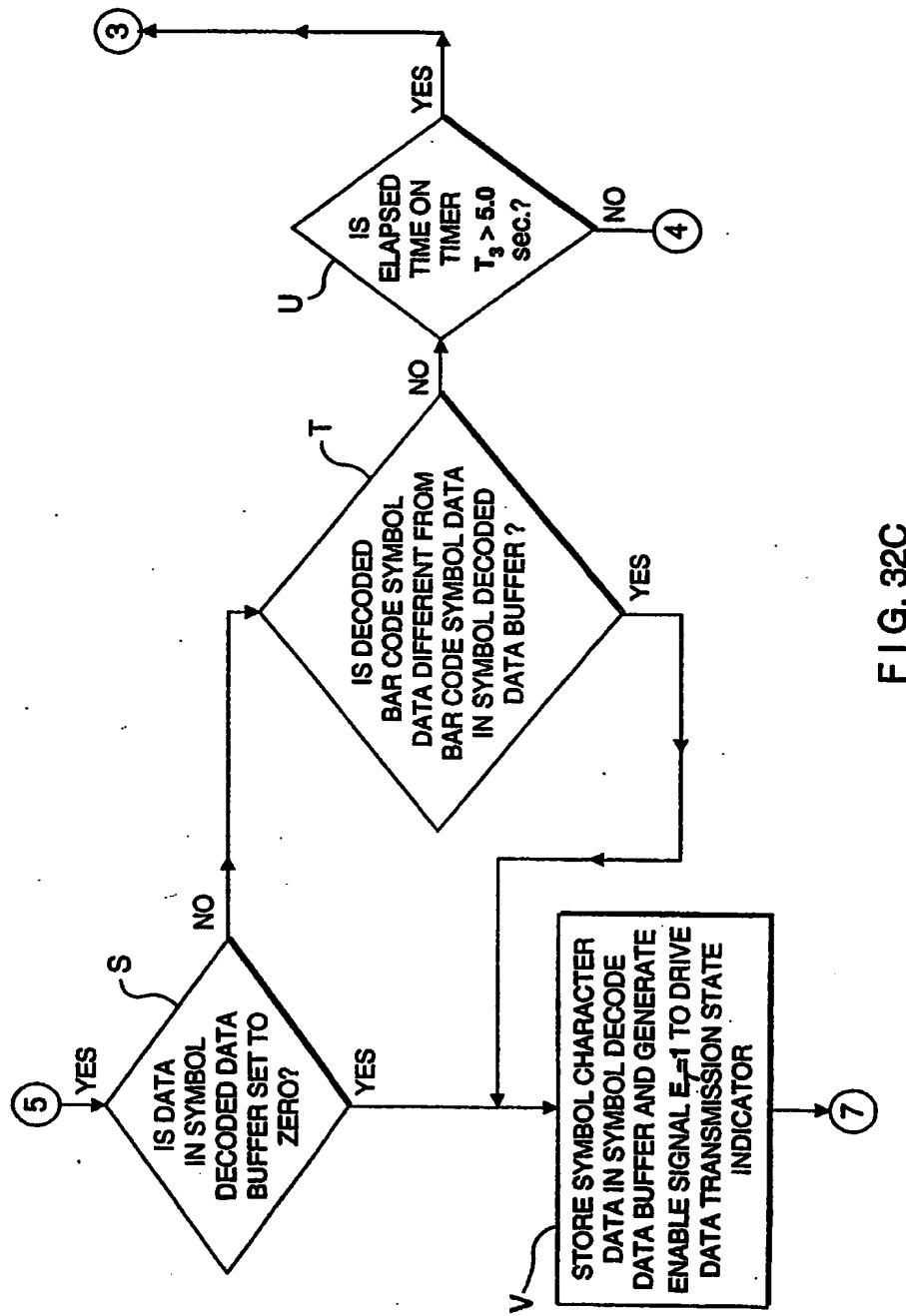


FIG. 32C

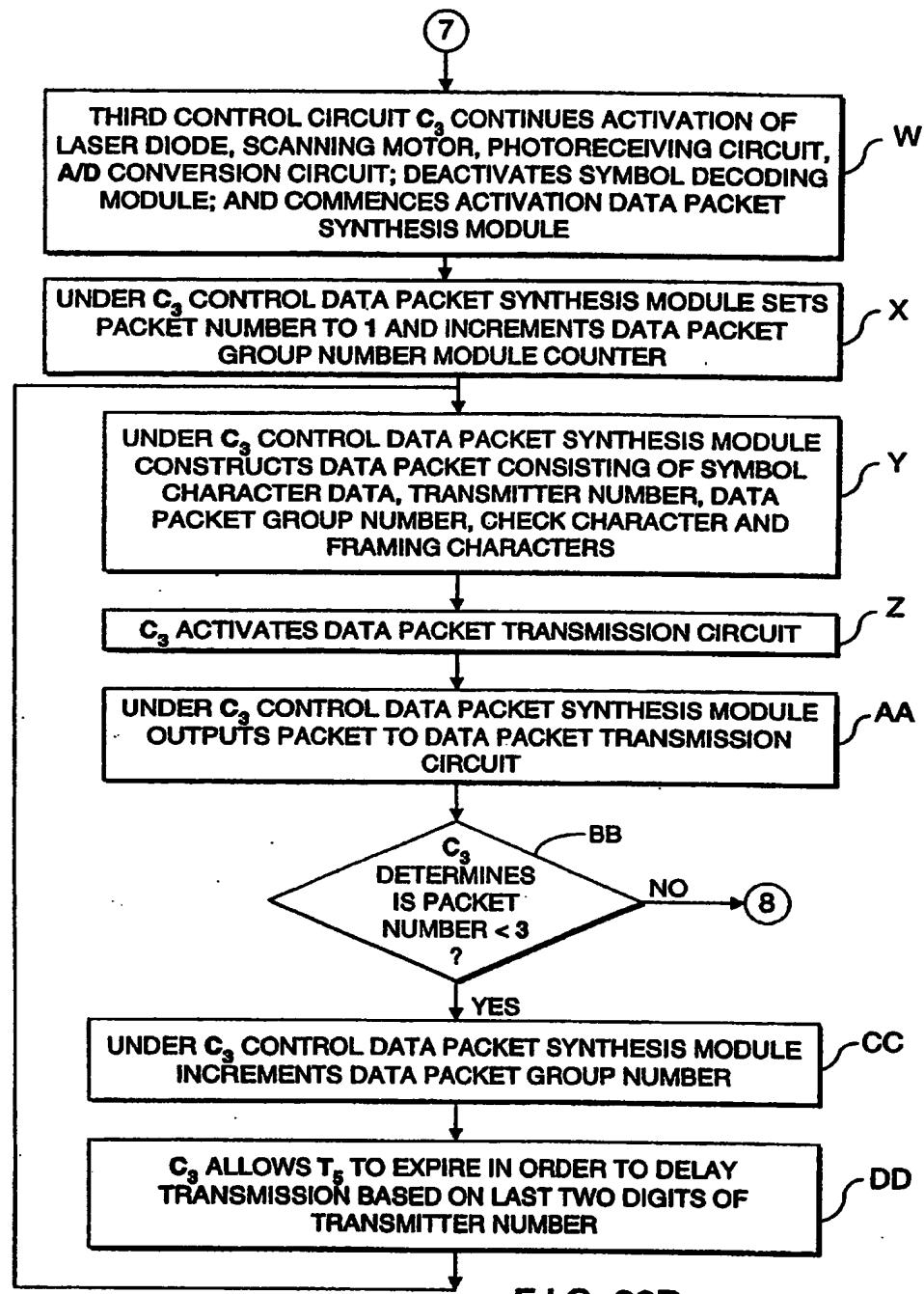


FIG. 32D

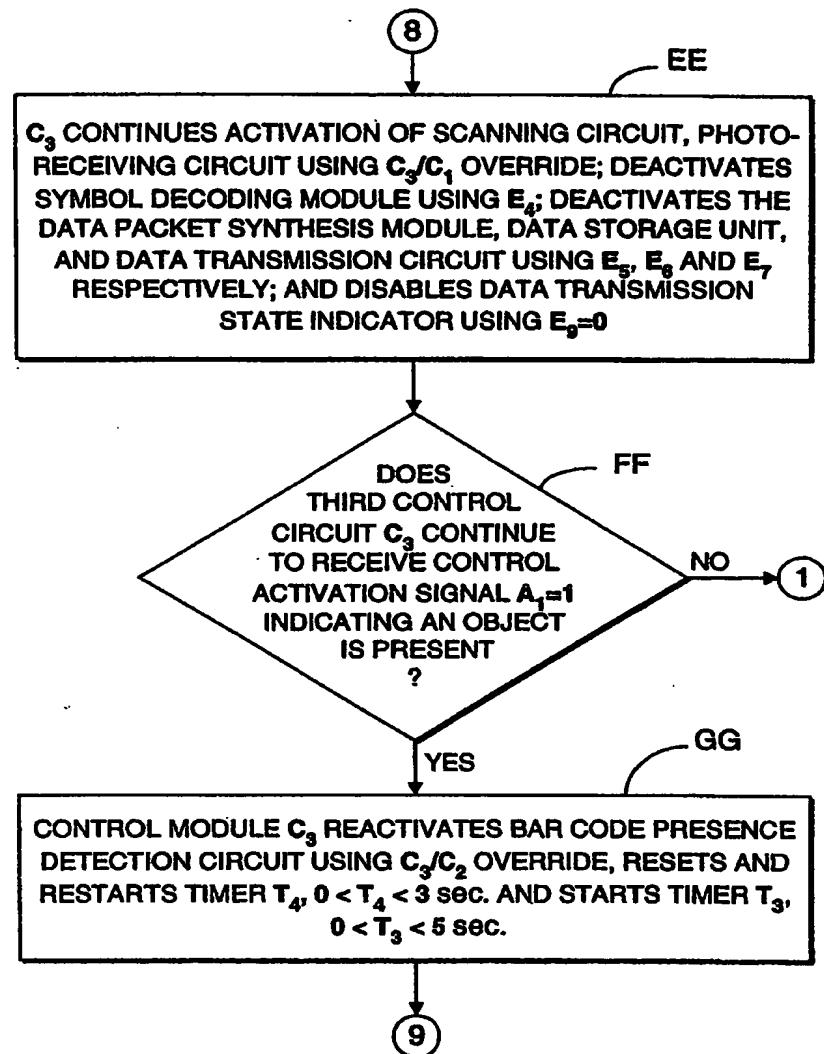


FIG. 32E

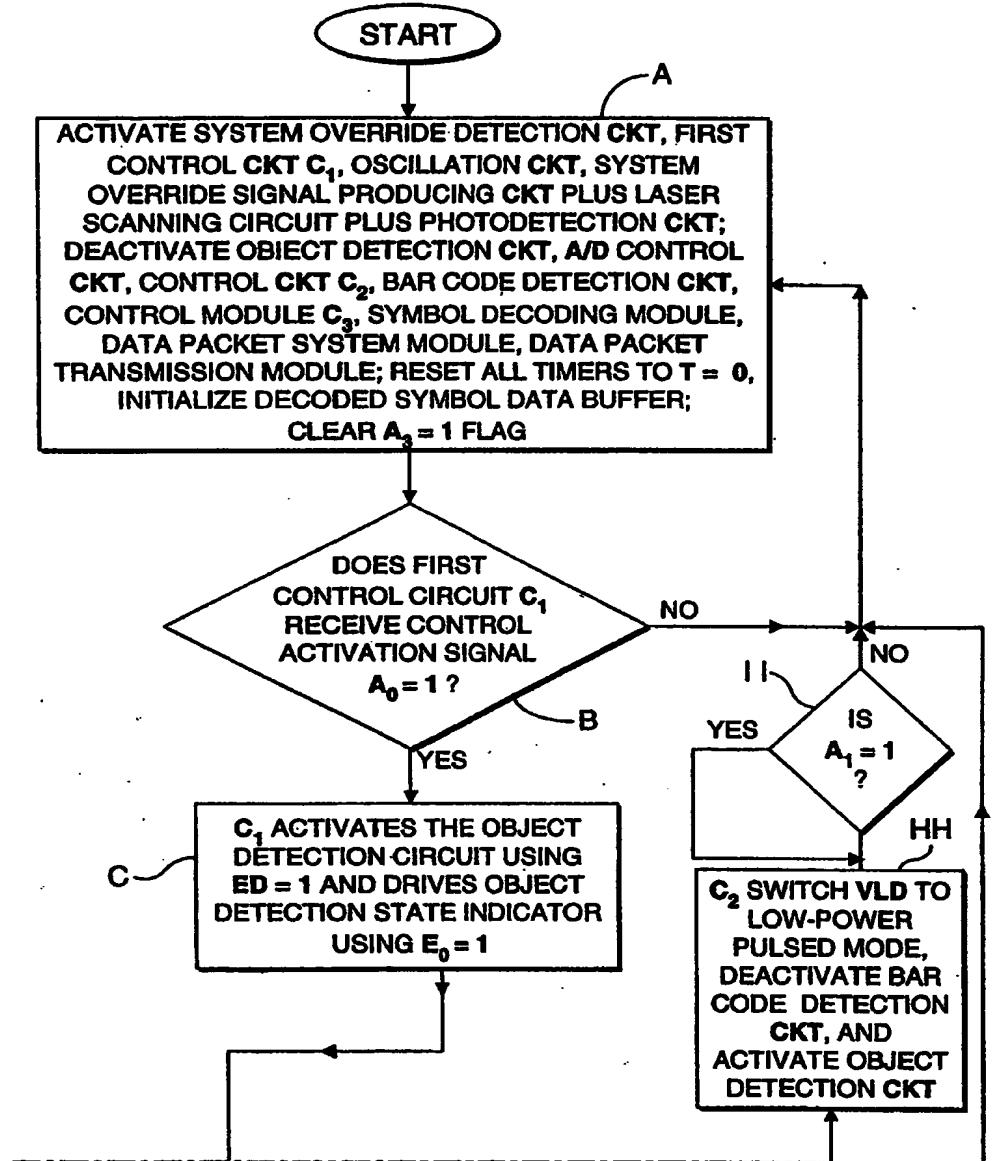
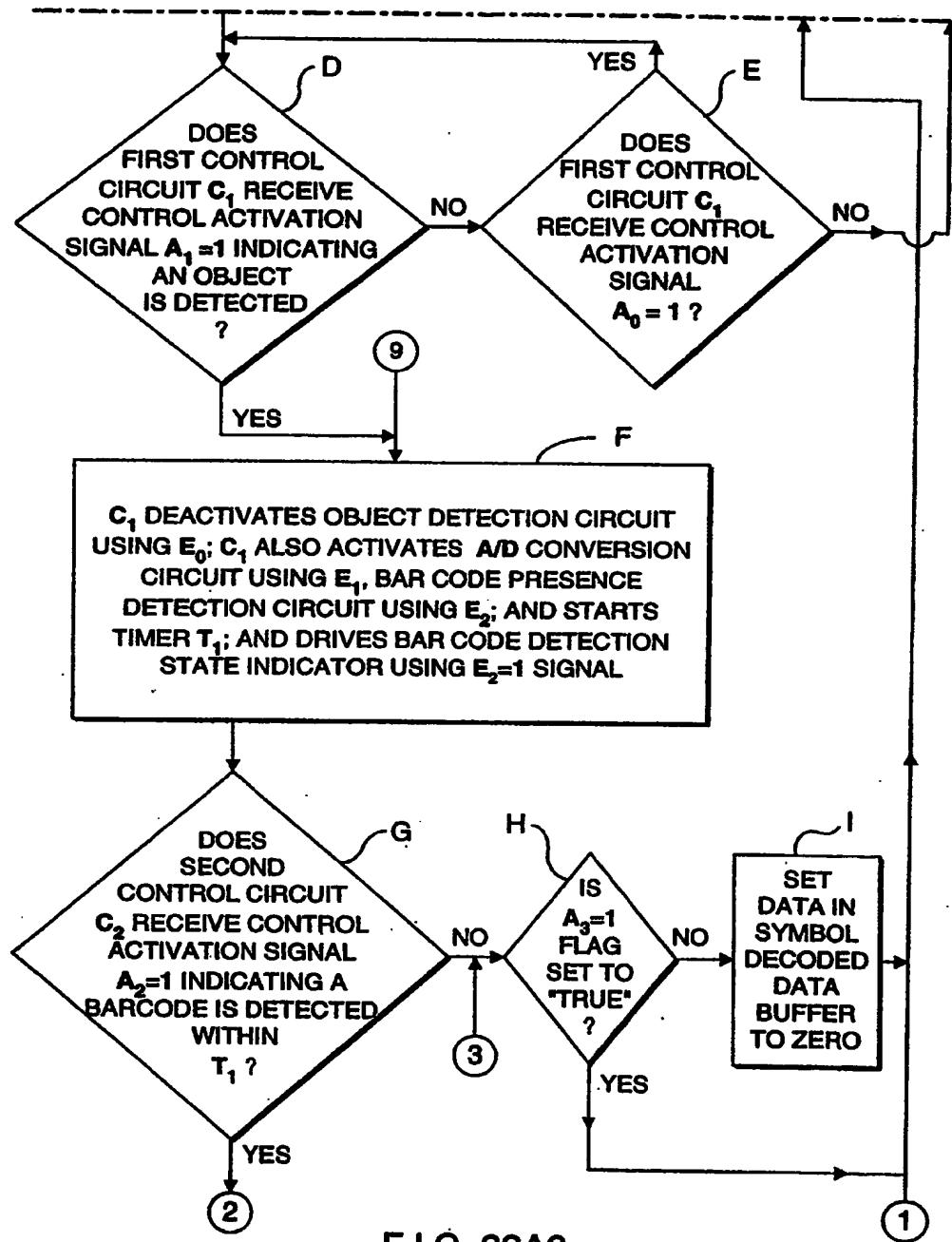


FIG. 33A1



F I G. 33A2

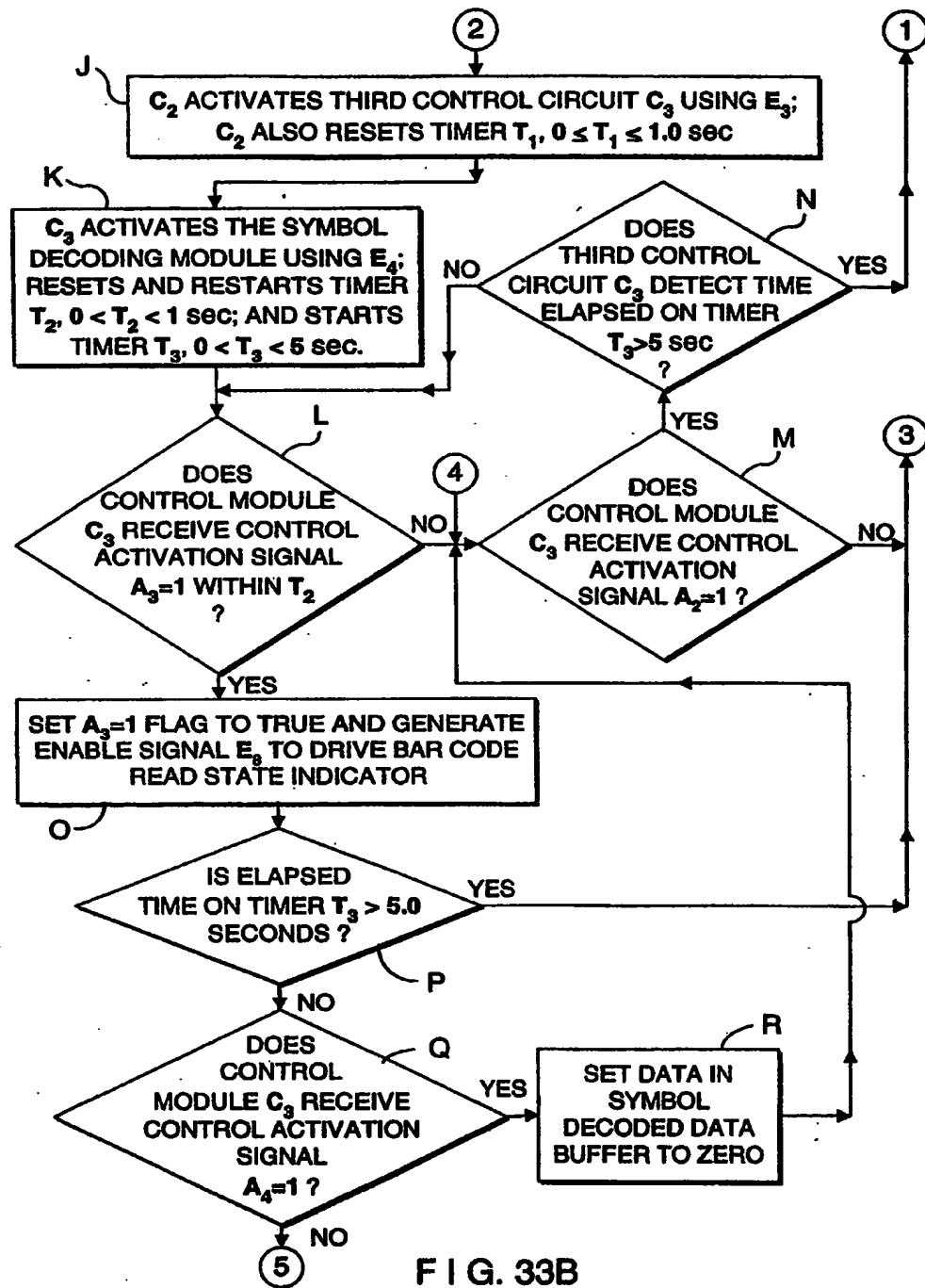
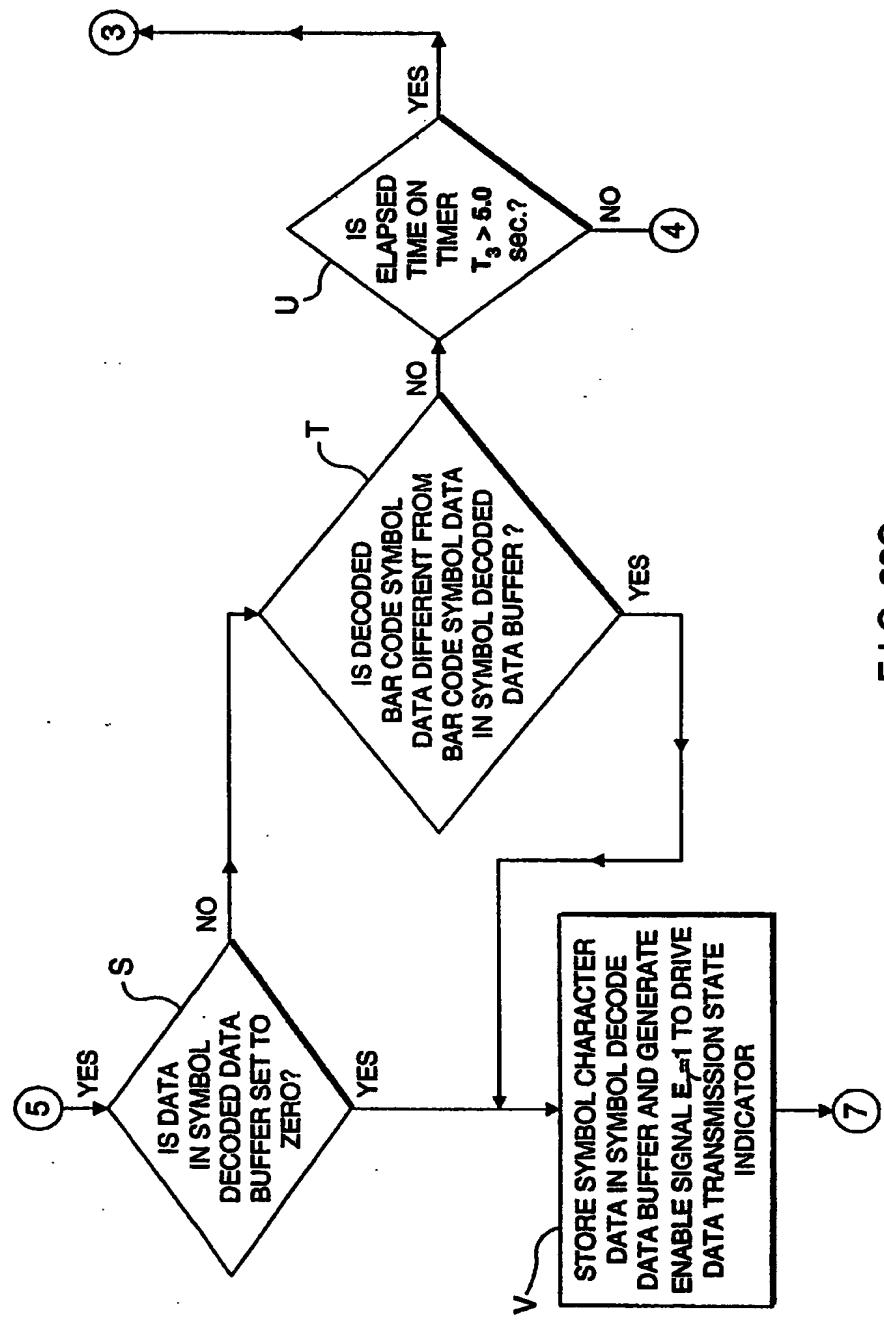
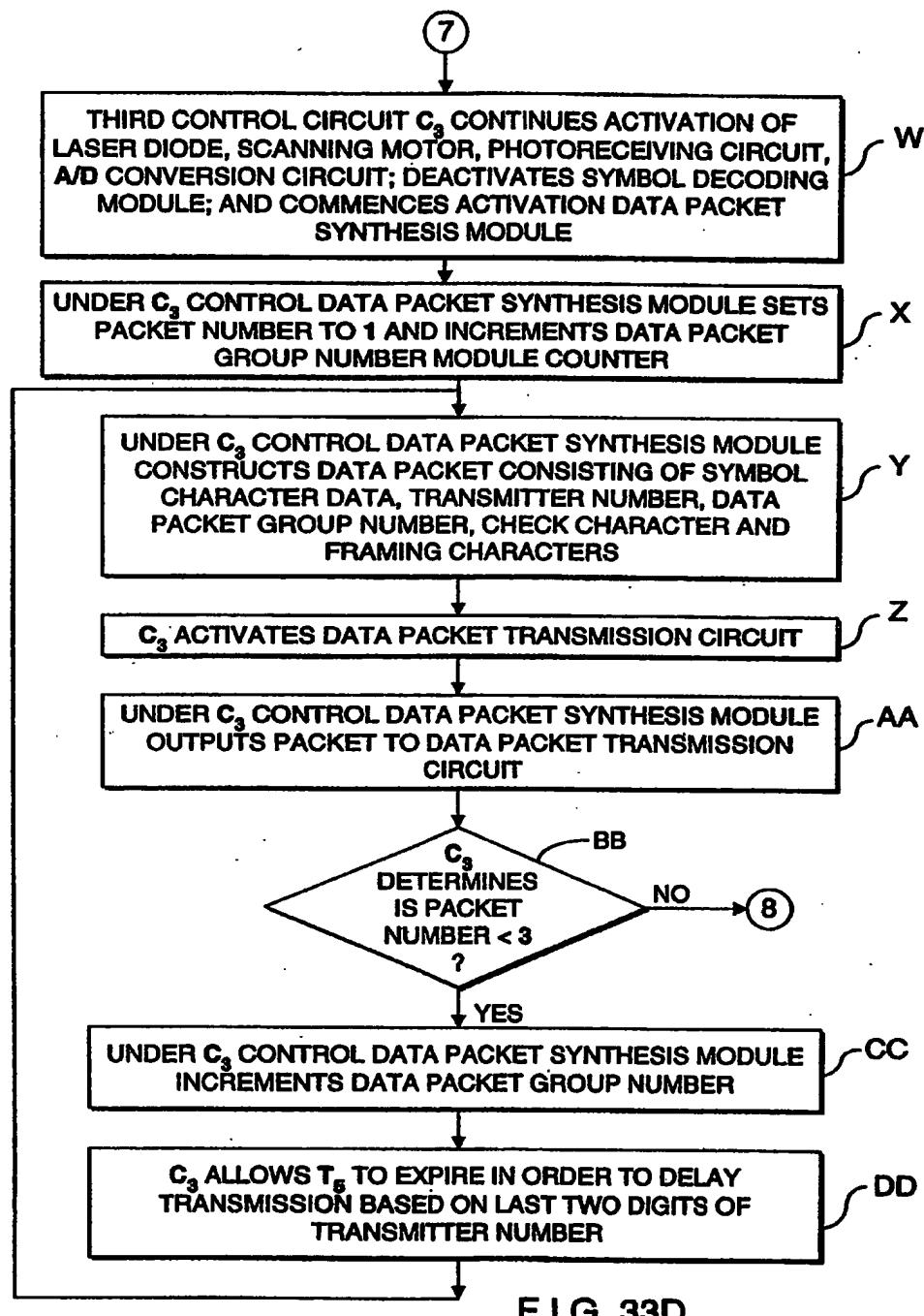


FIG. 33B



F I G. 33C



F I G. 33D

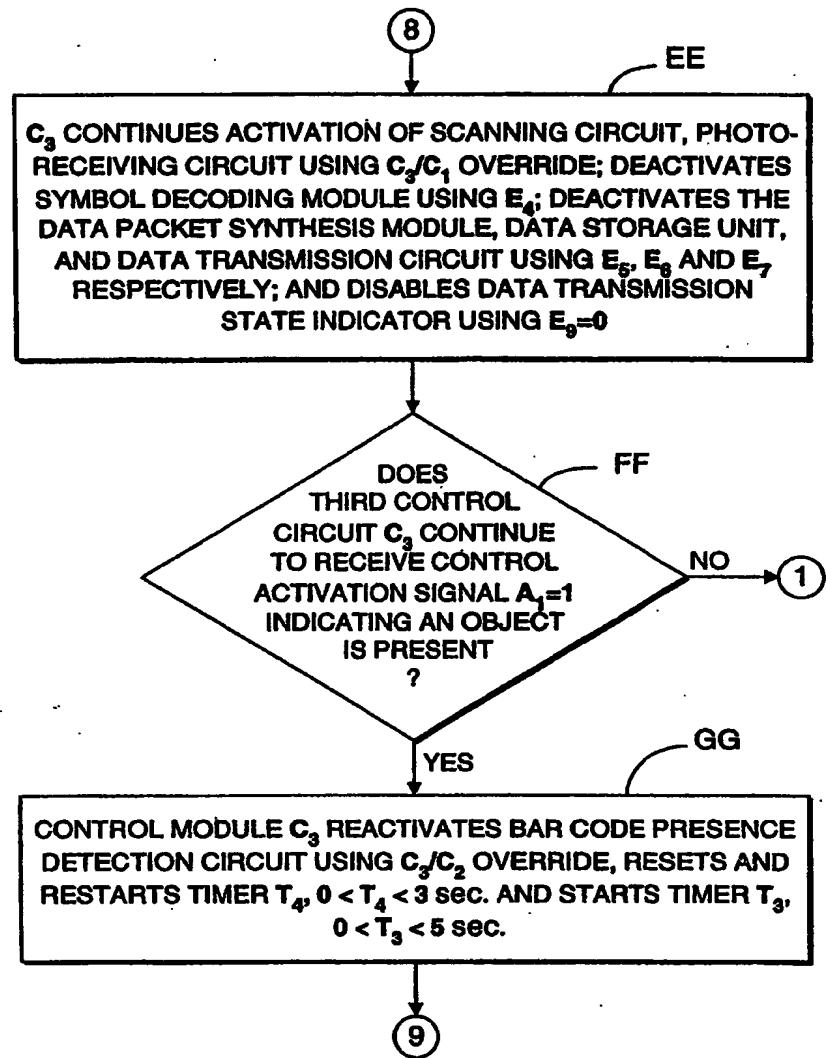
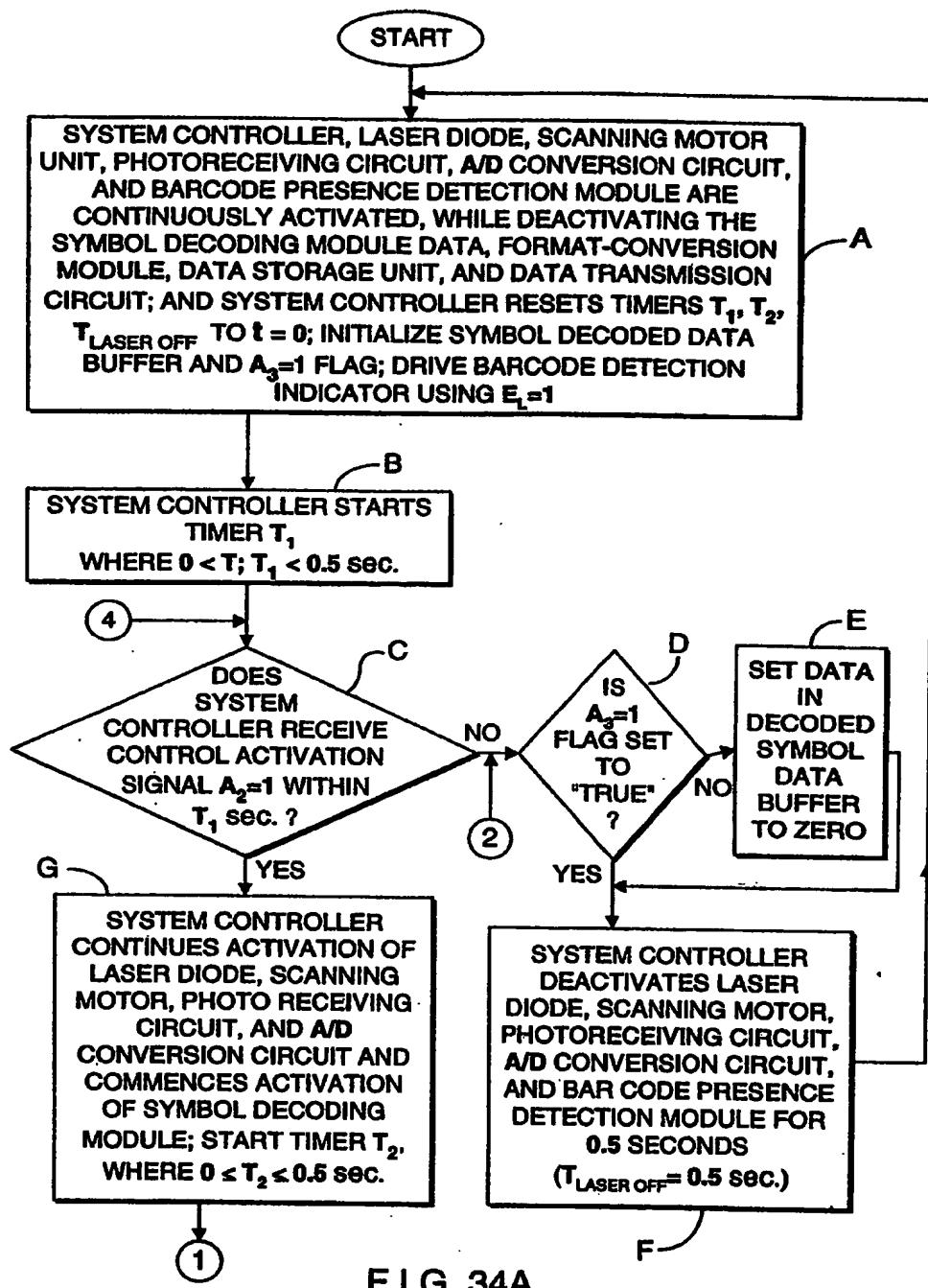


FIG. 33E



F I G. 34A

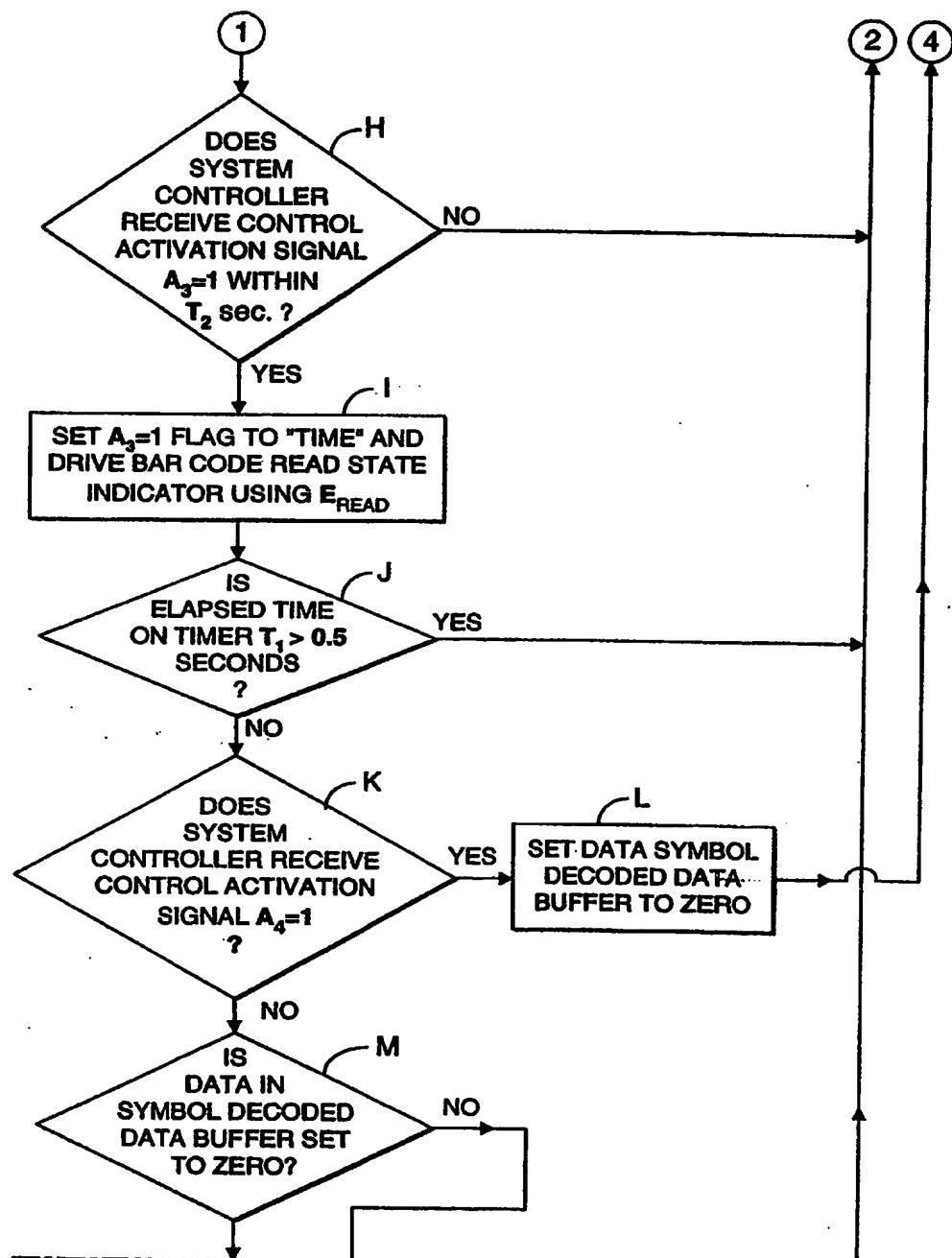


FIG. 34B1

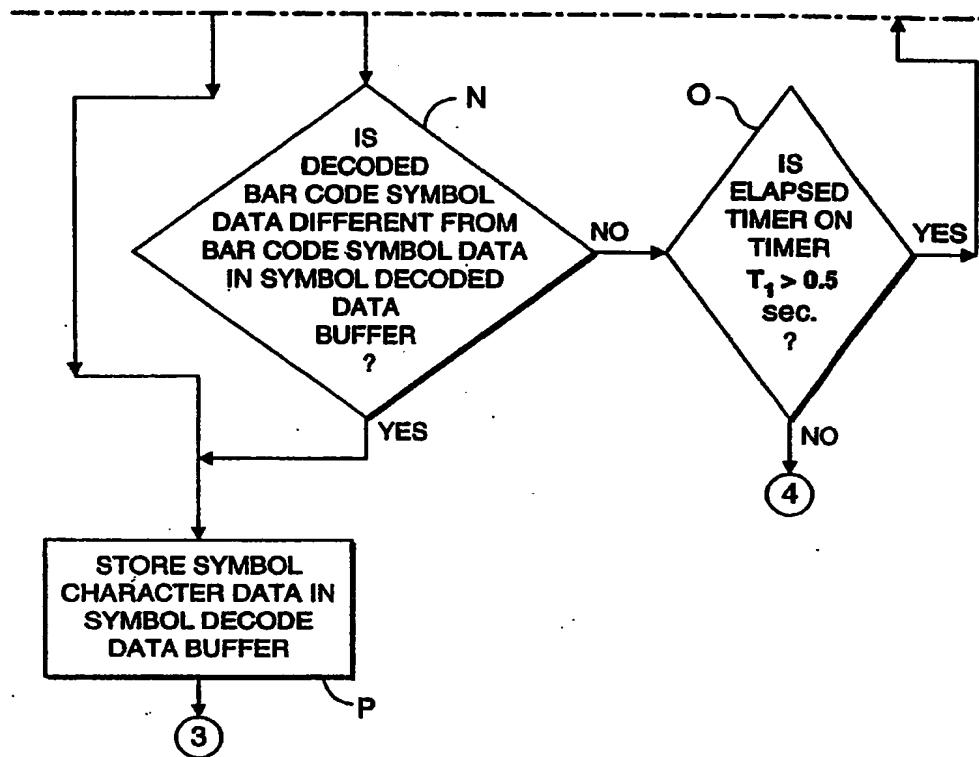


FIG. 34B2

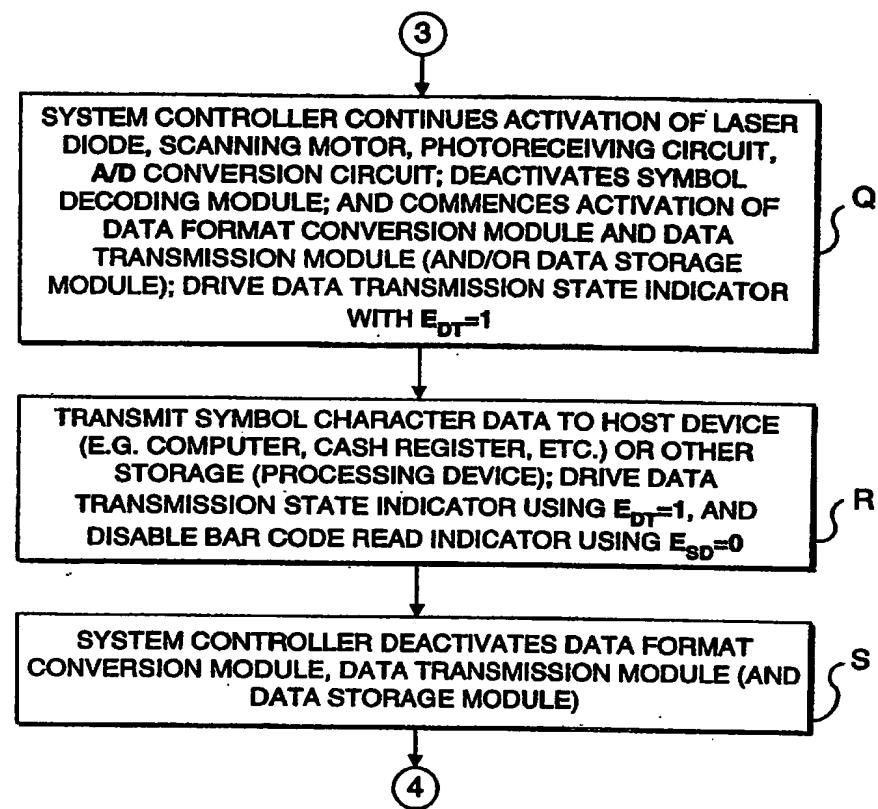


FIG. 34C

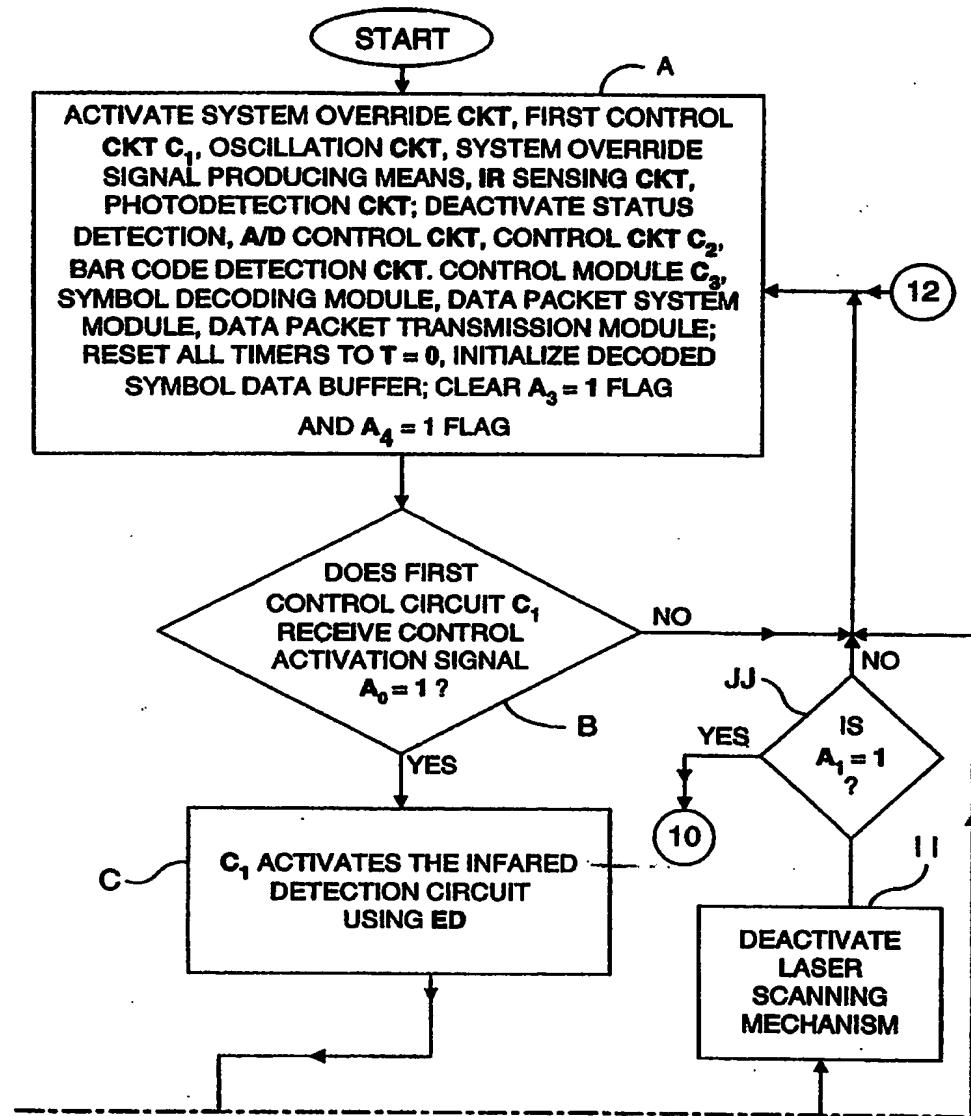


FIG. 35A1

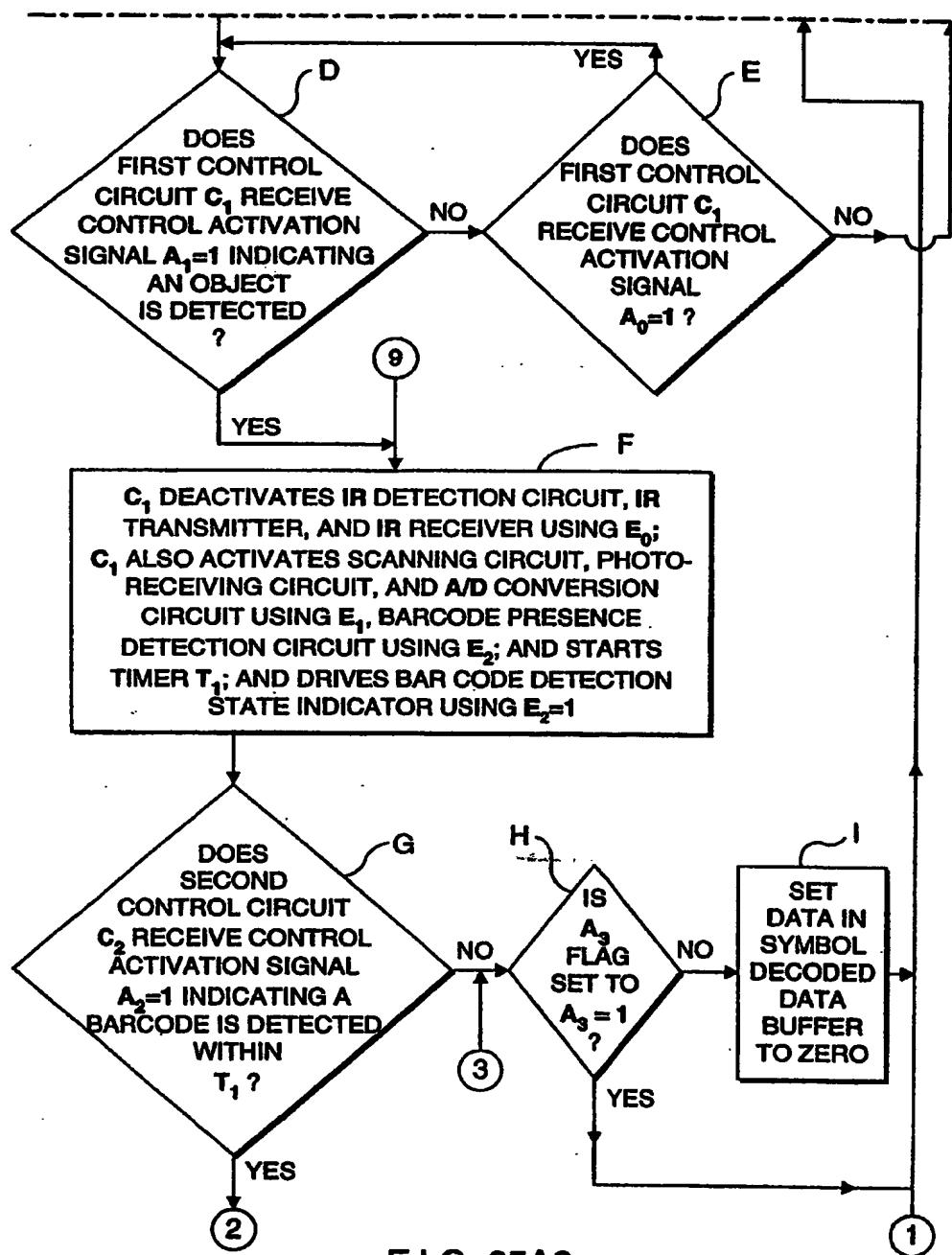


FIG. 35A2

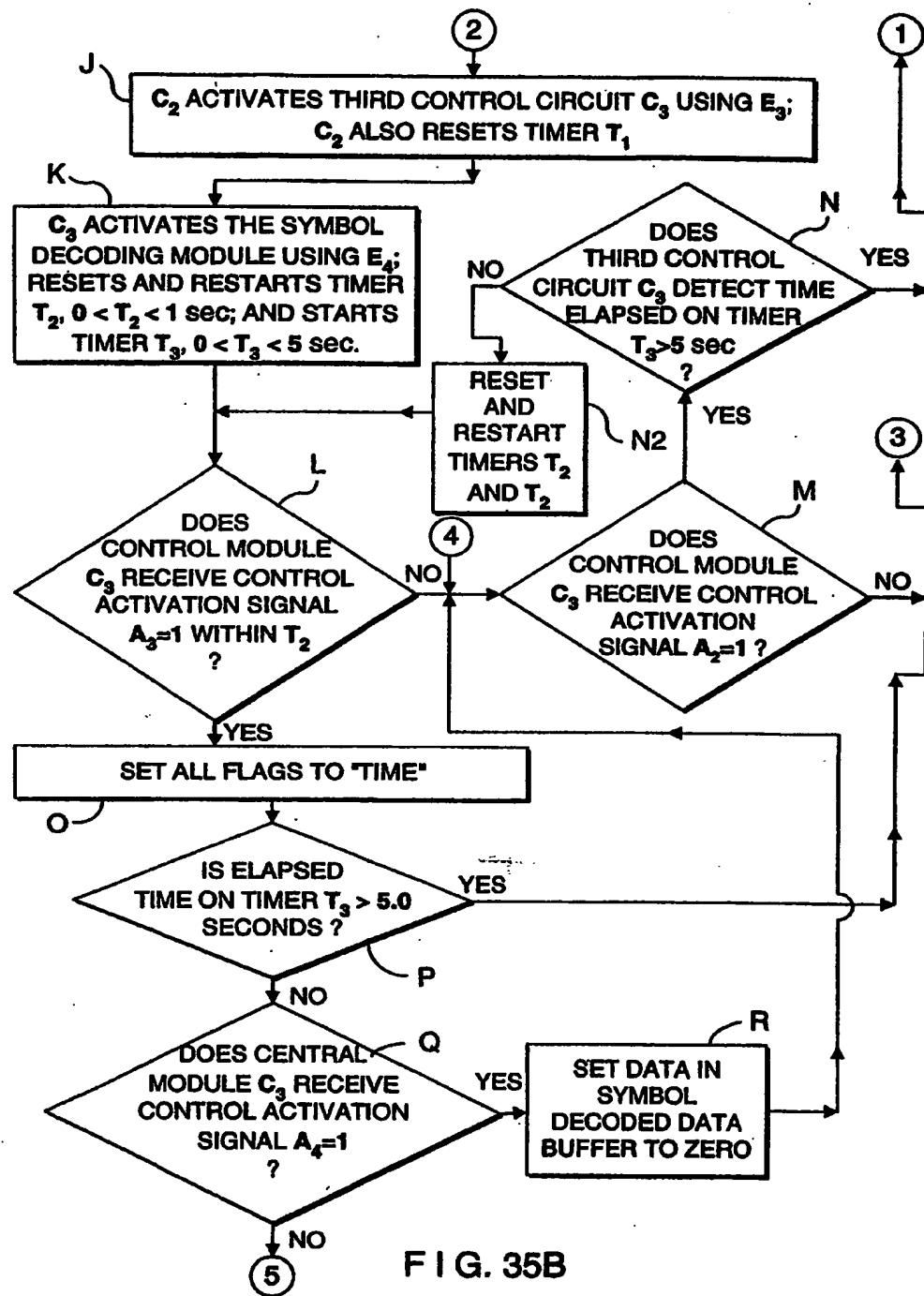


FIG. 35B

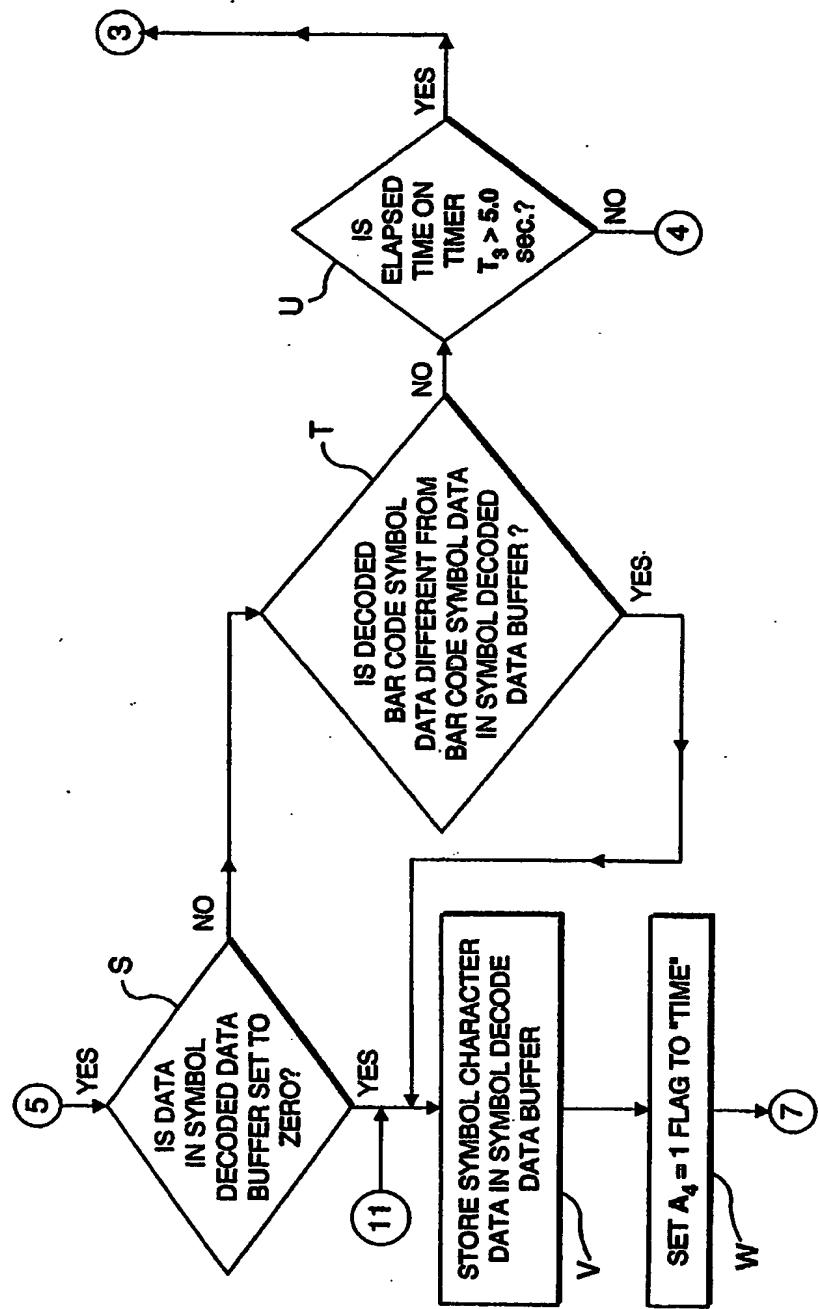


FIG. 35C

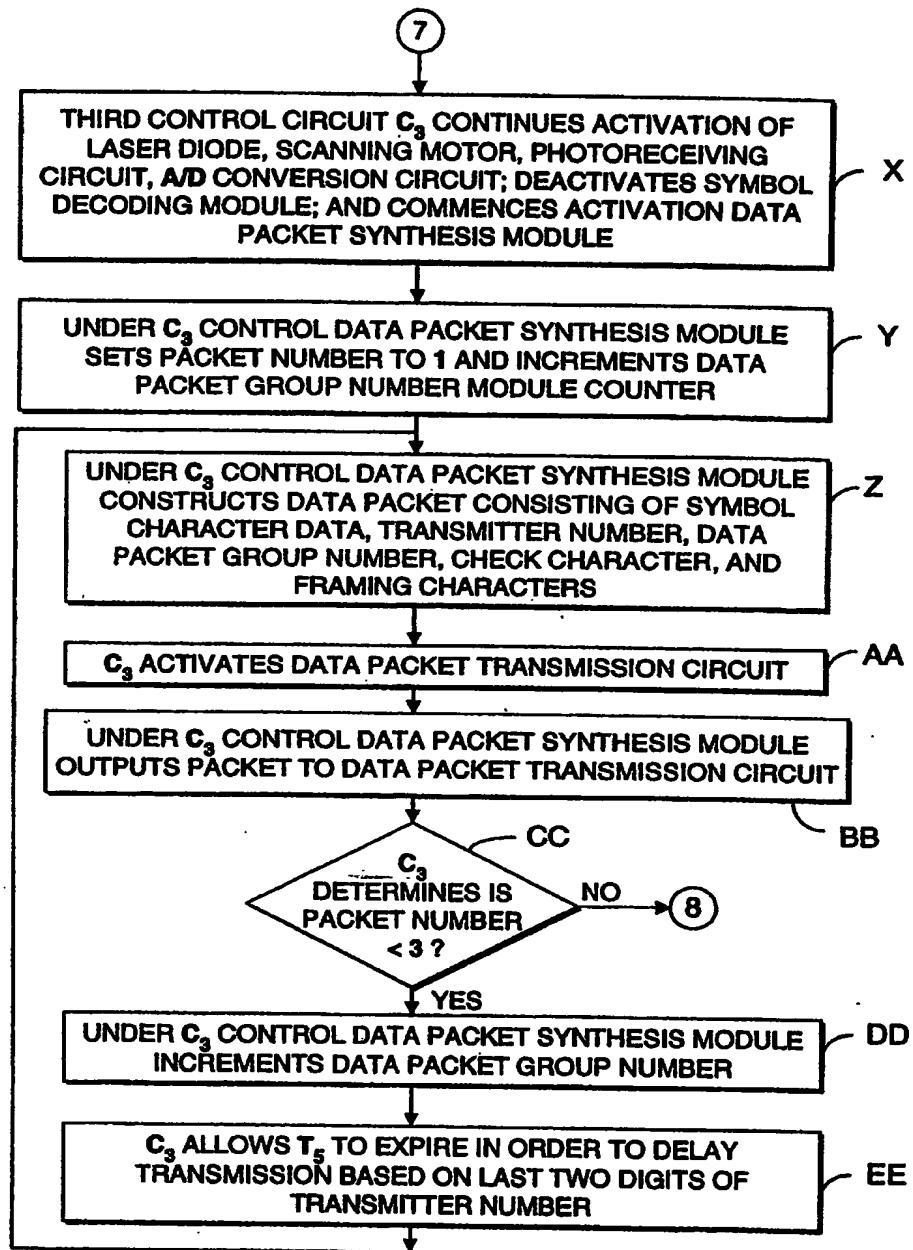


FIG. 35D

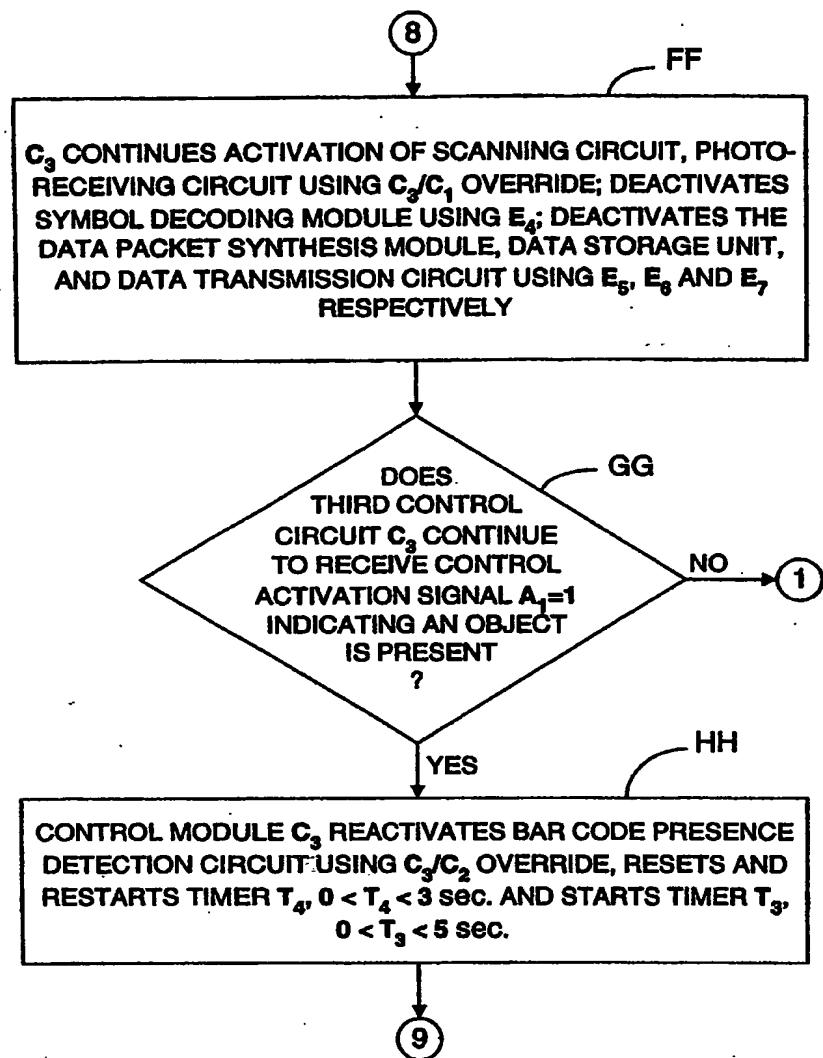


FIG. 35E

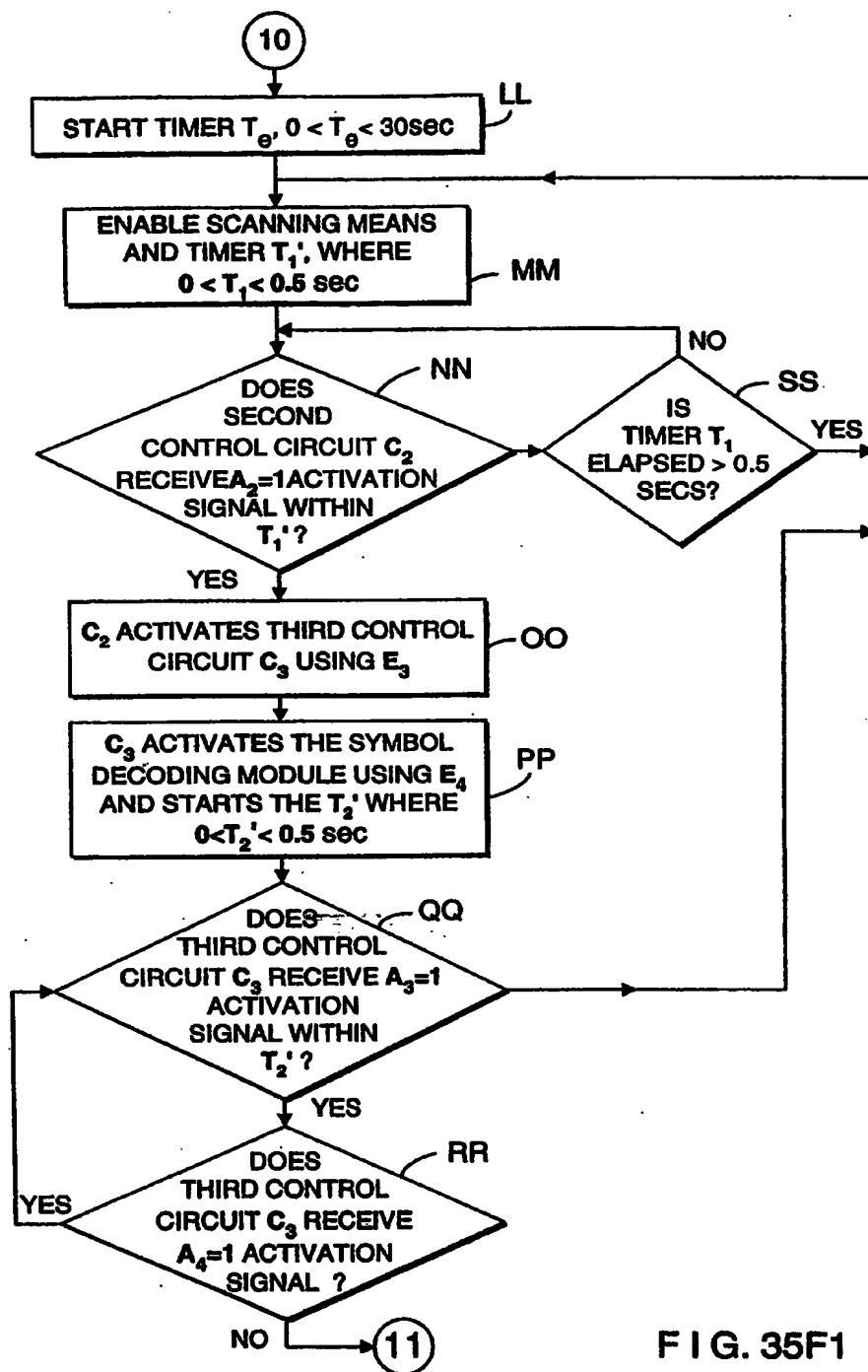
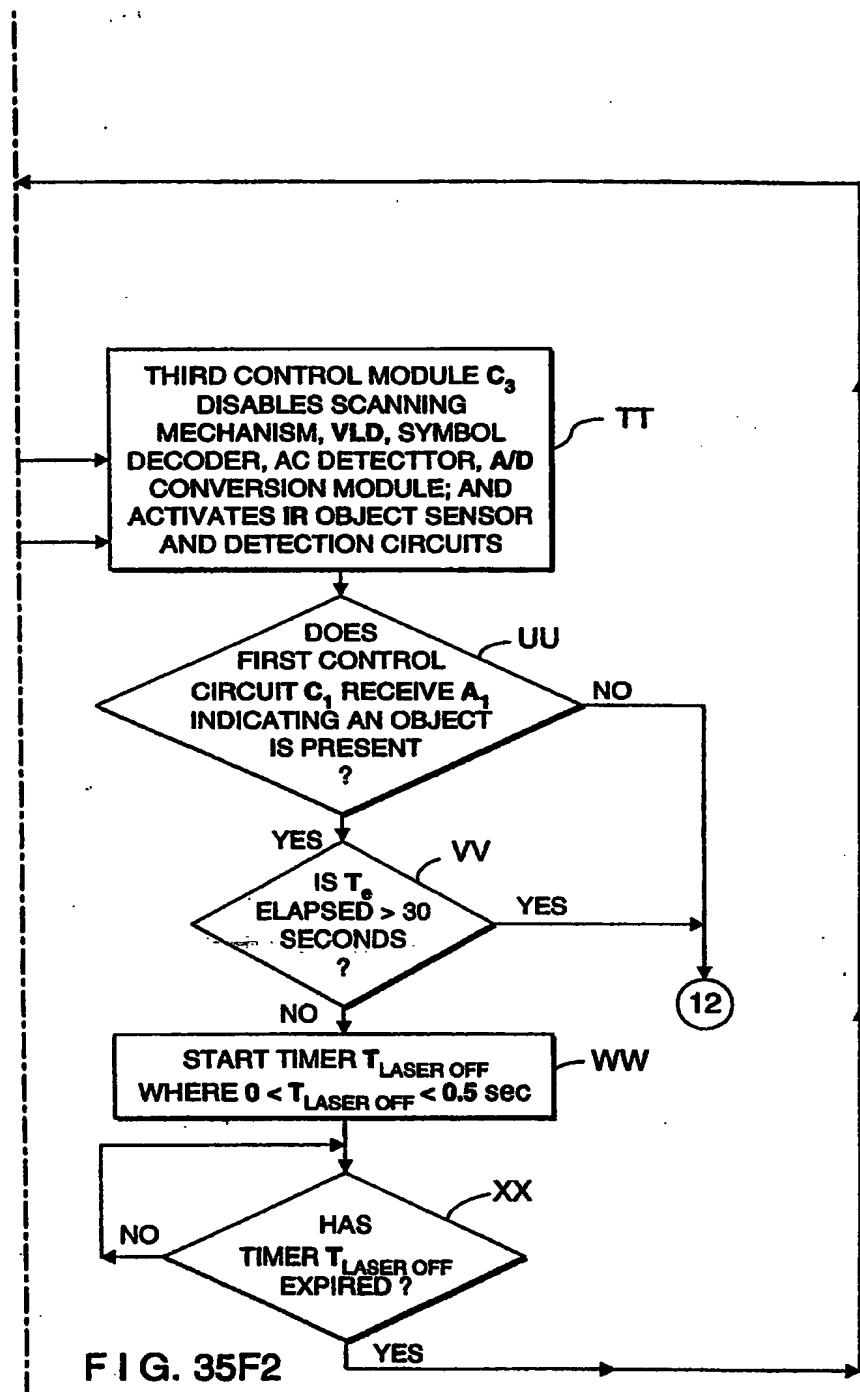


FIG. 35F1



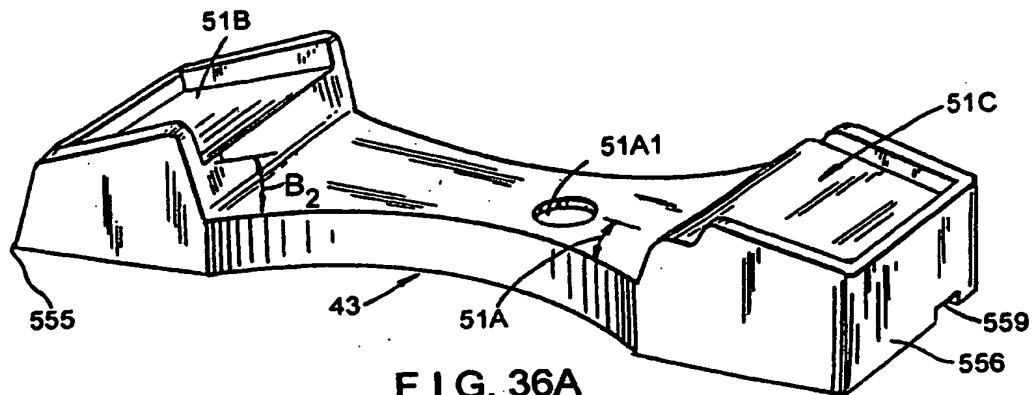


FIG. 36A

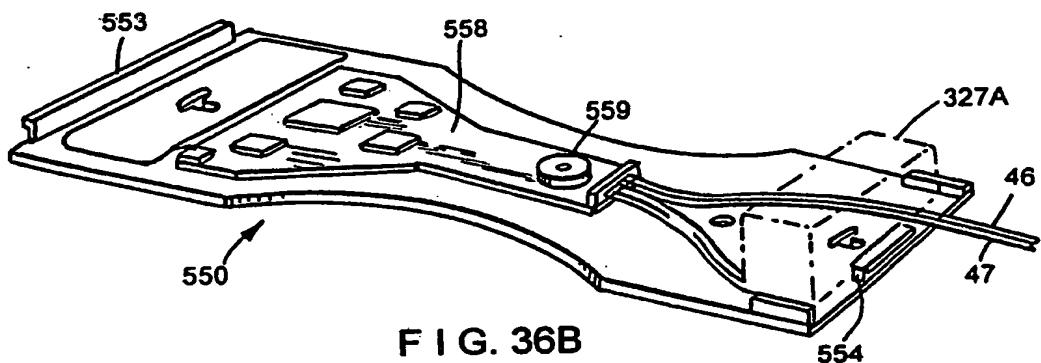


FIG. 36B

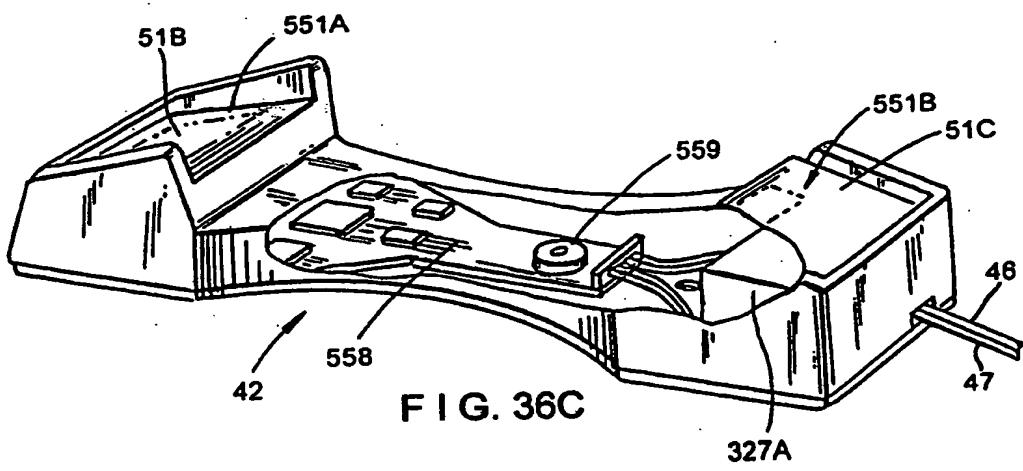


FIG. 36C

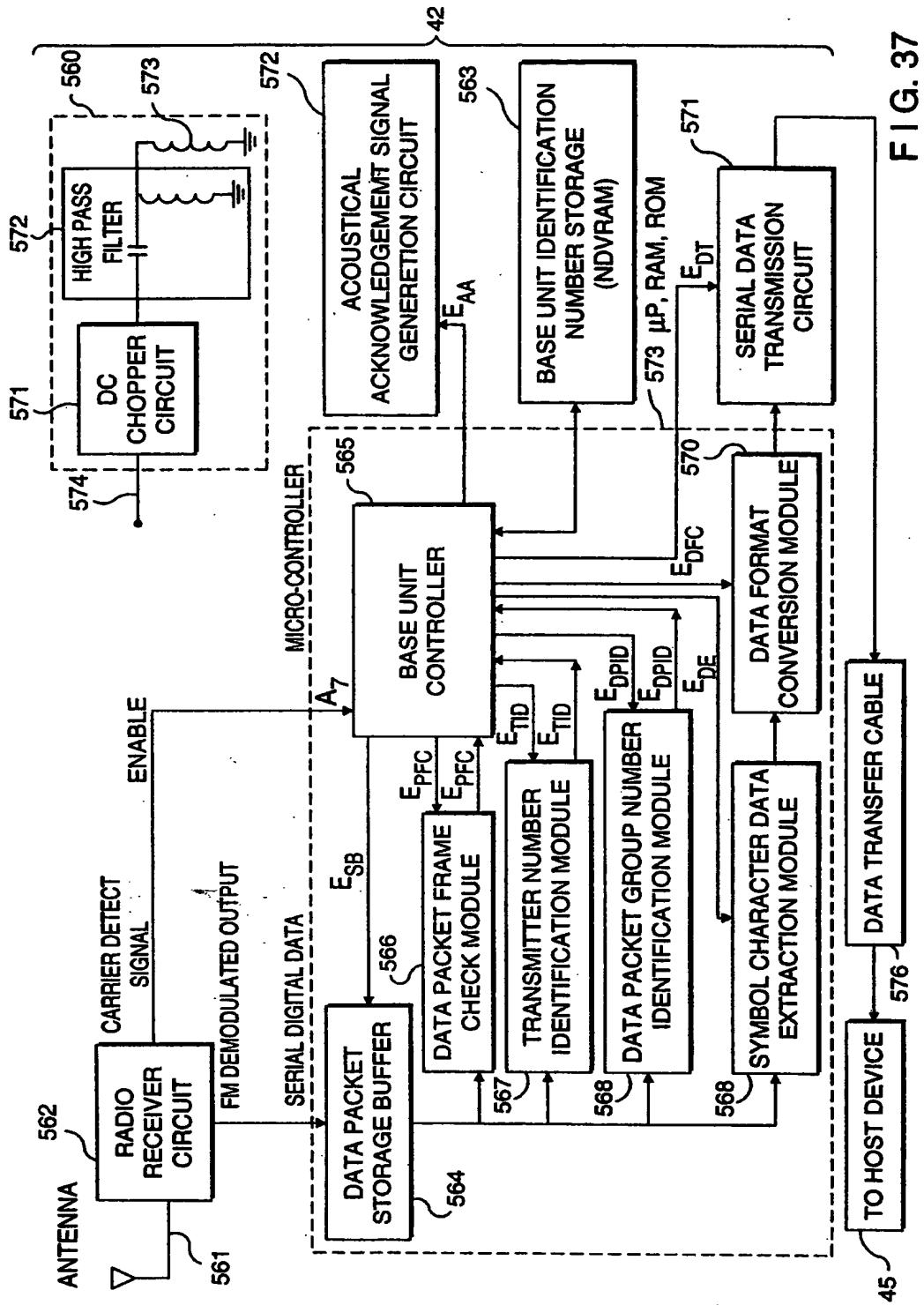
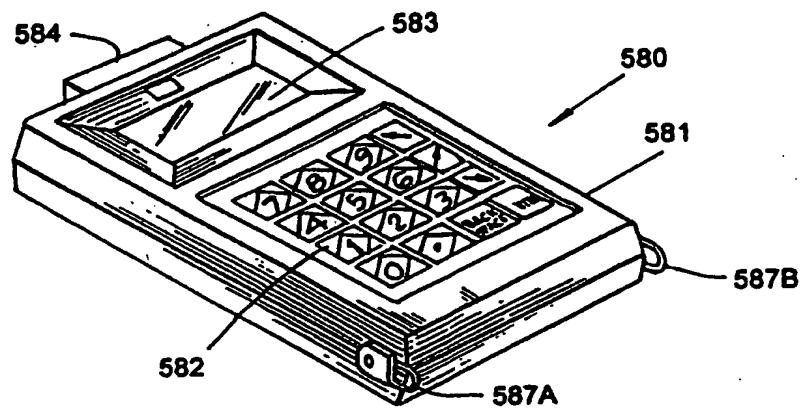


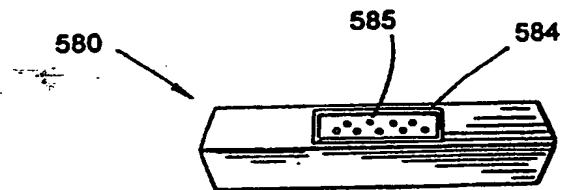
FIG. 37



**F I G. 38A**



**F I G. 38B**



**F I G. 38C**

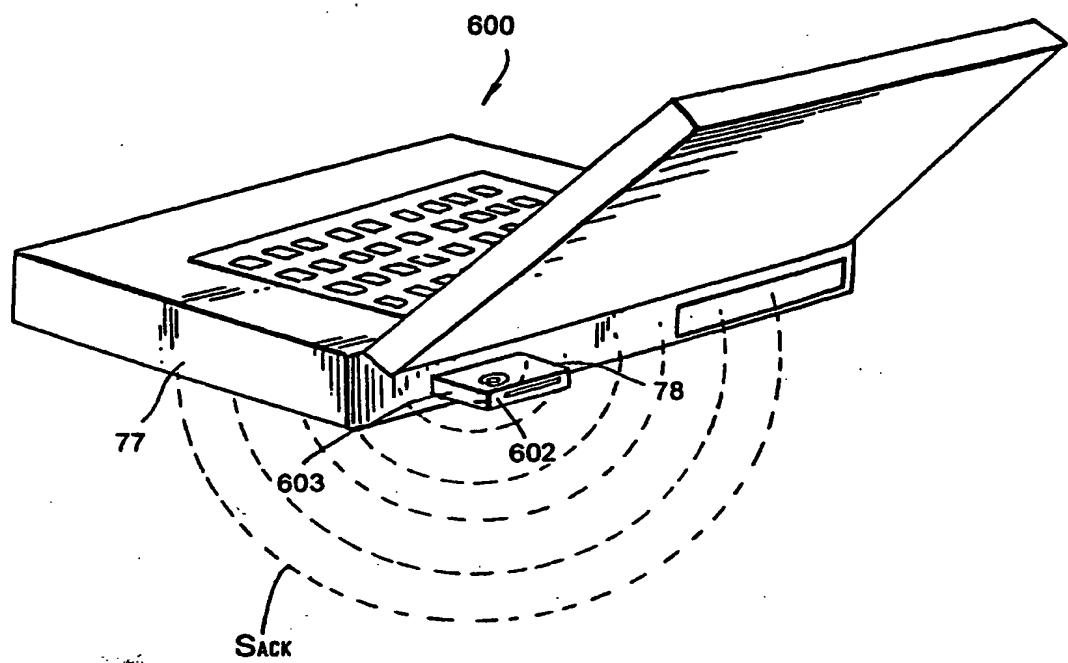


FIG. 39

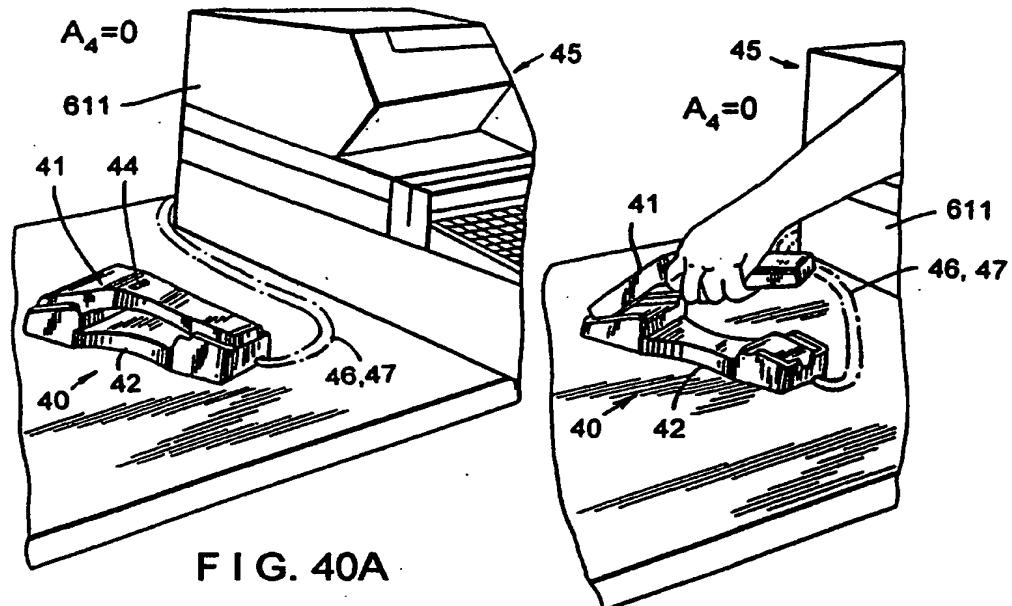


FIG. 40A

FIG. 40B

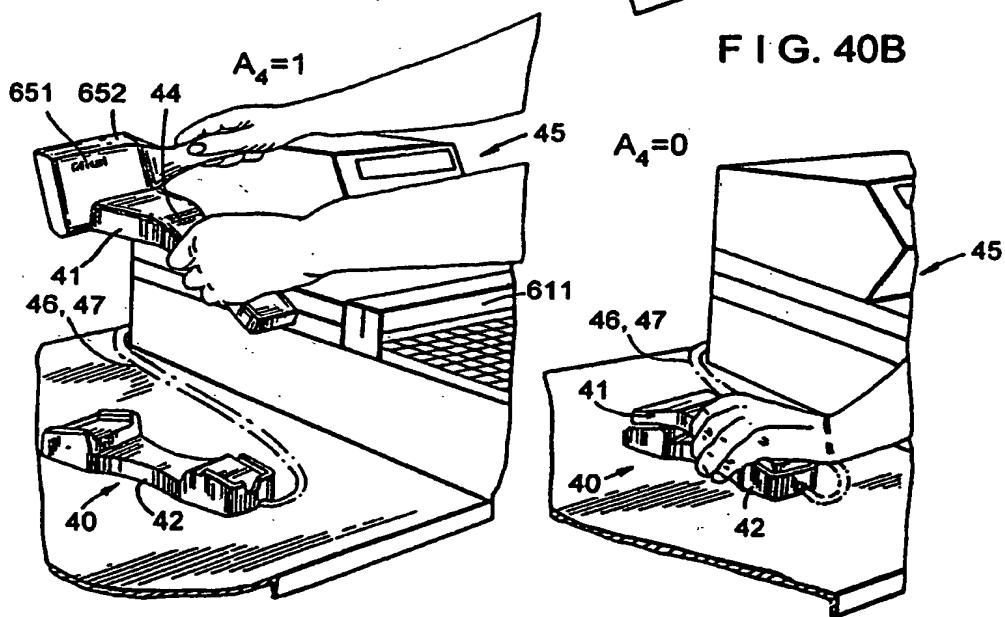


FIG. 40C

FIG. 40D

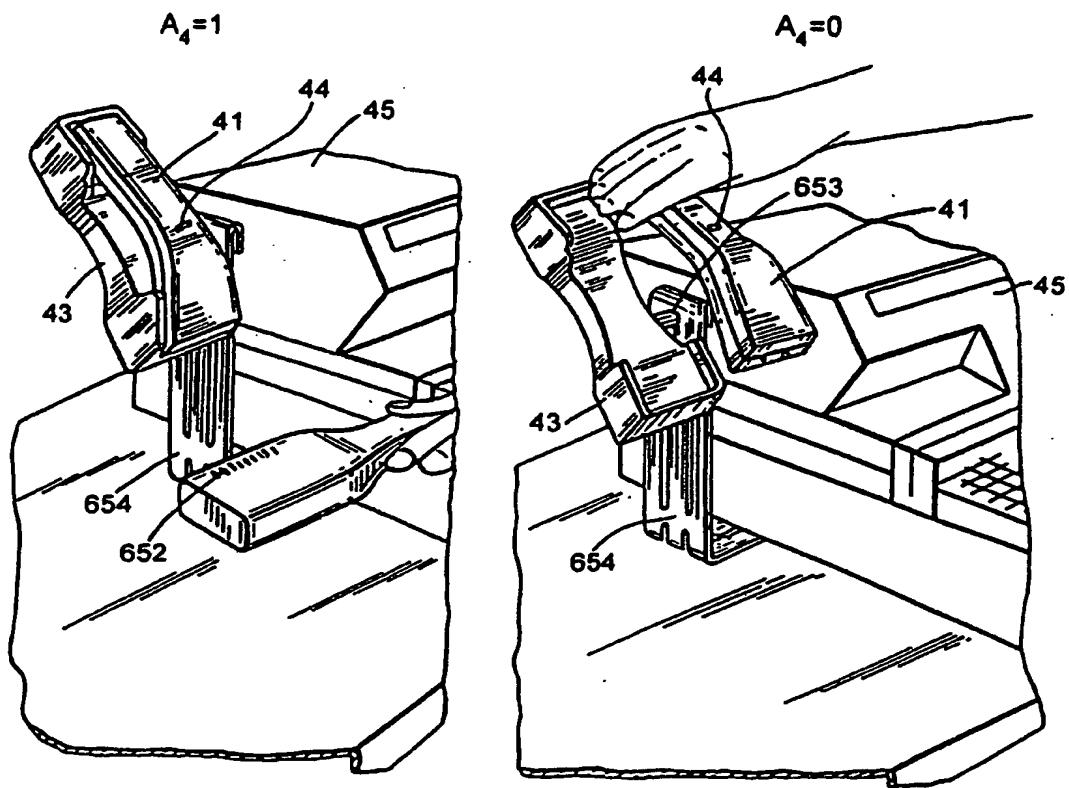


FIG. 41A

FIG. 41B

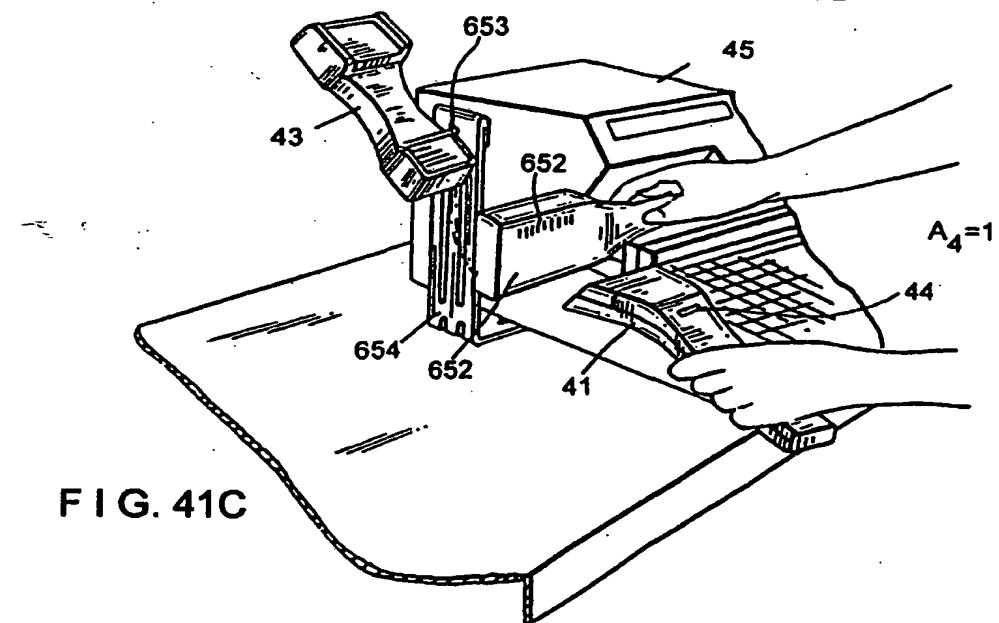
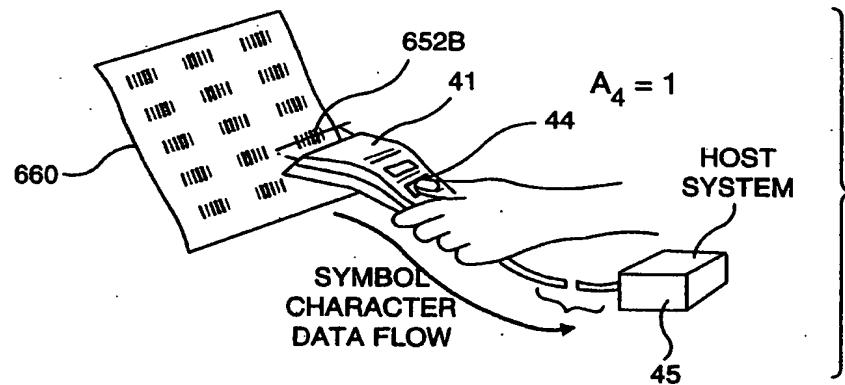
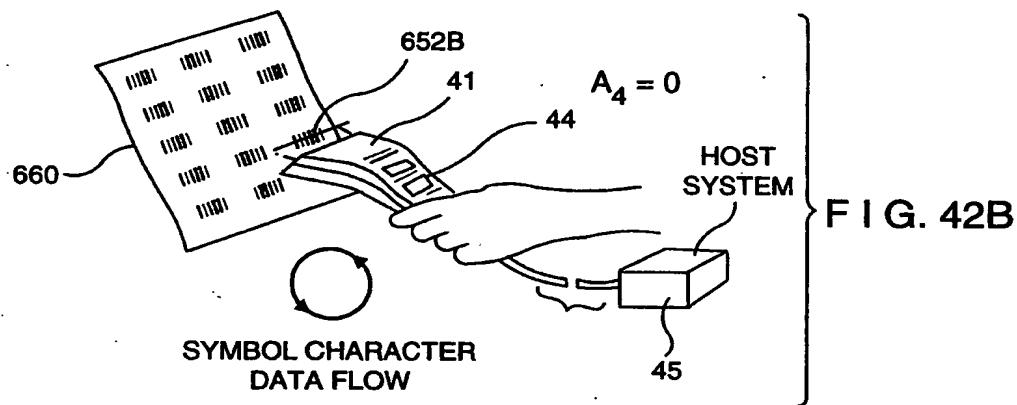
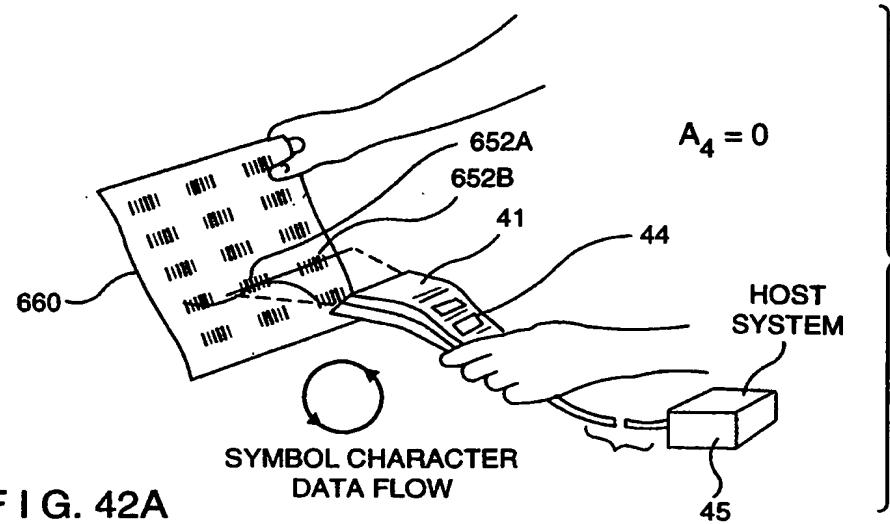


FIG. 41C



**FIG. 42C**

Automatic Bar Code Reading System With  
2-Way RF Communication Link

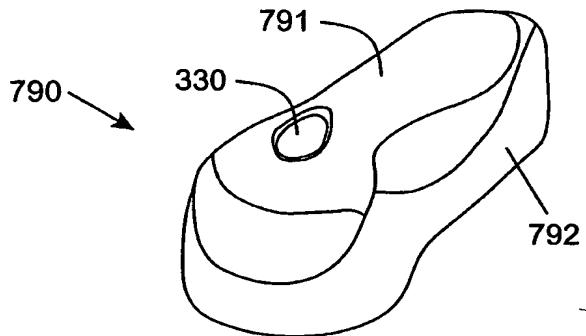


FIG. 43A

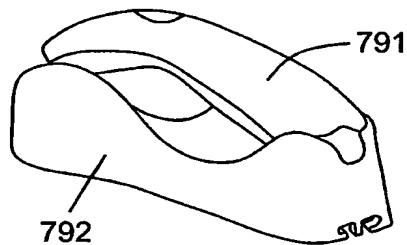


FIG. 43B

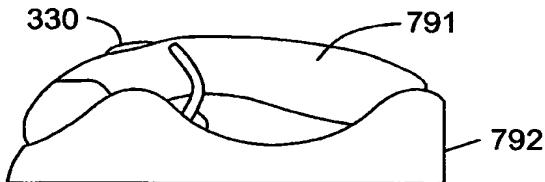


FIG. 43C

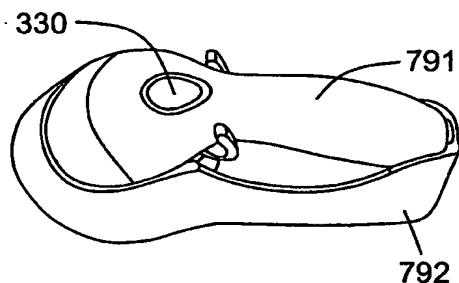


FIG. 43D

Protracted Configuration

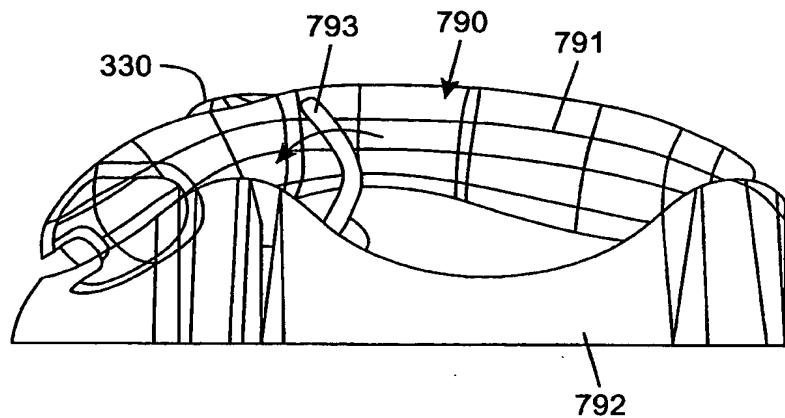


FIG. 43E

Protracted Configuration

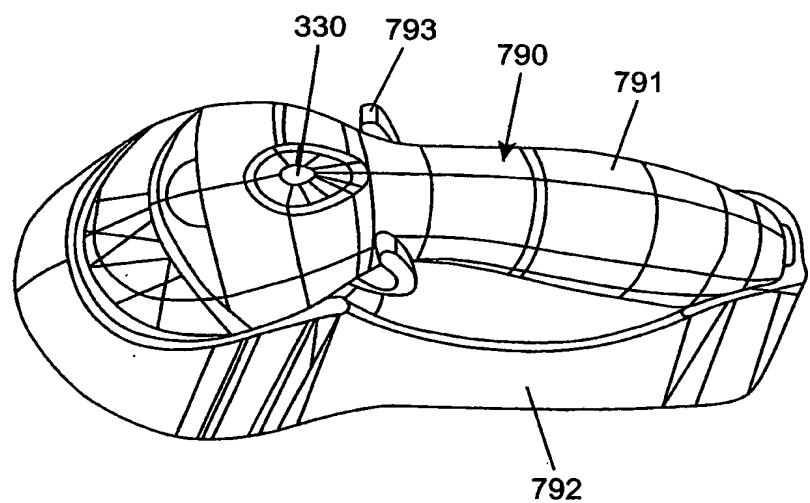


FIG. 43F

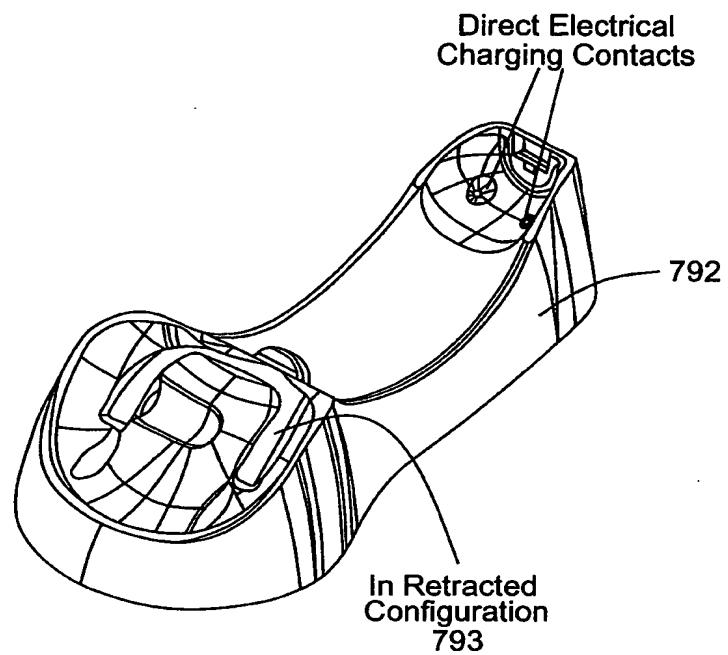


FIG. 43G

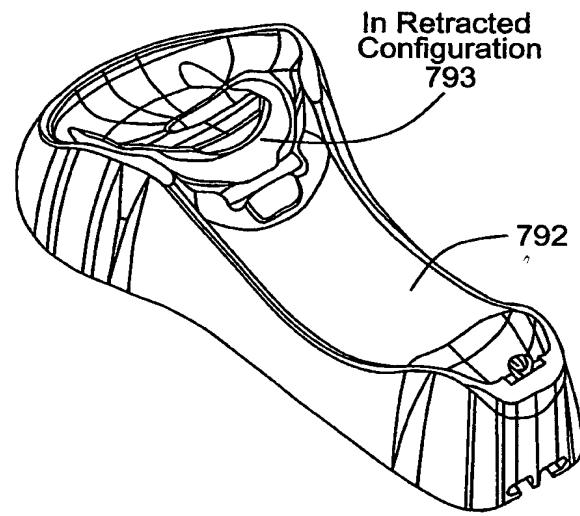


FIG. 43H

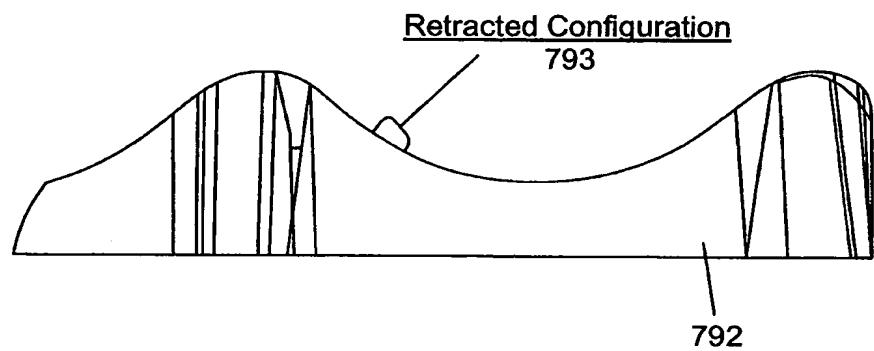


FIG. 43I

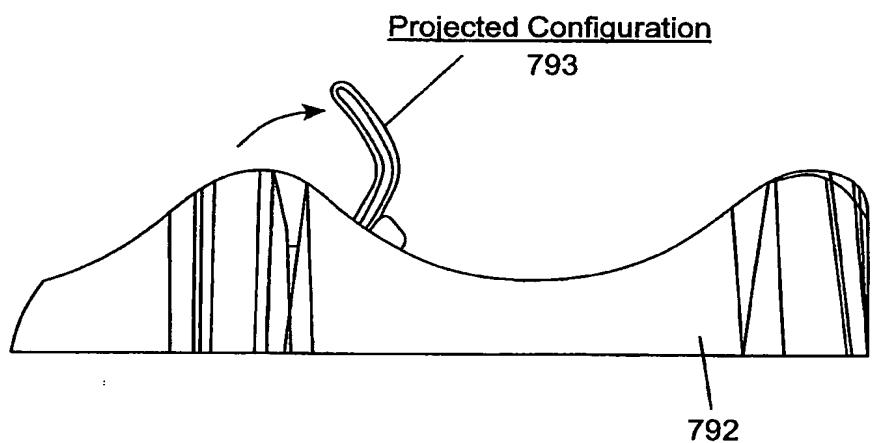


FIG. 43J

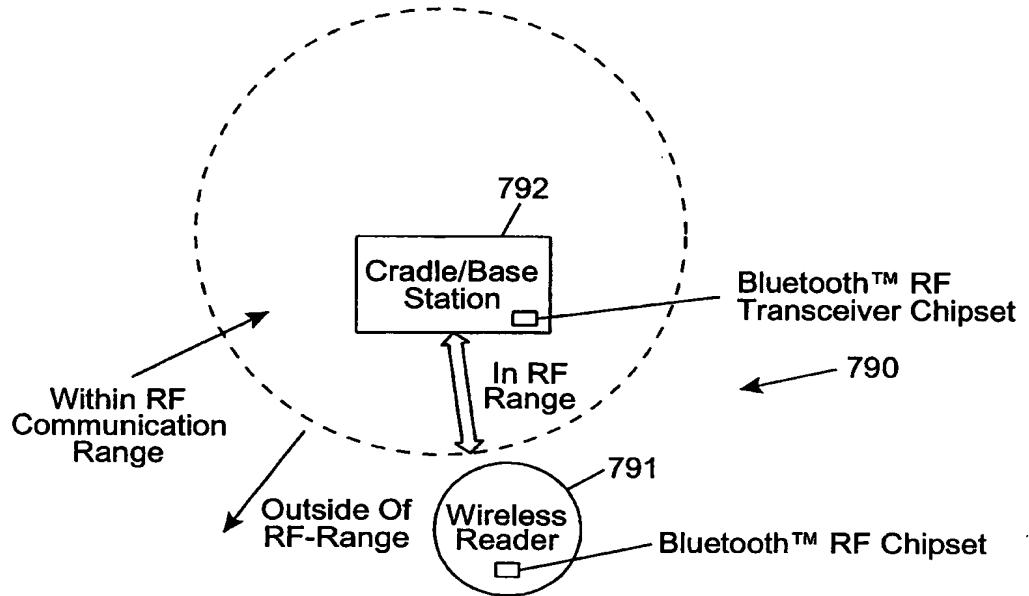


FIG. 44A1

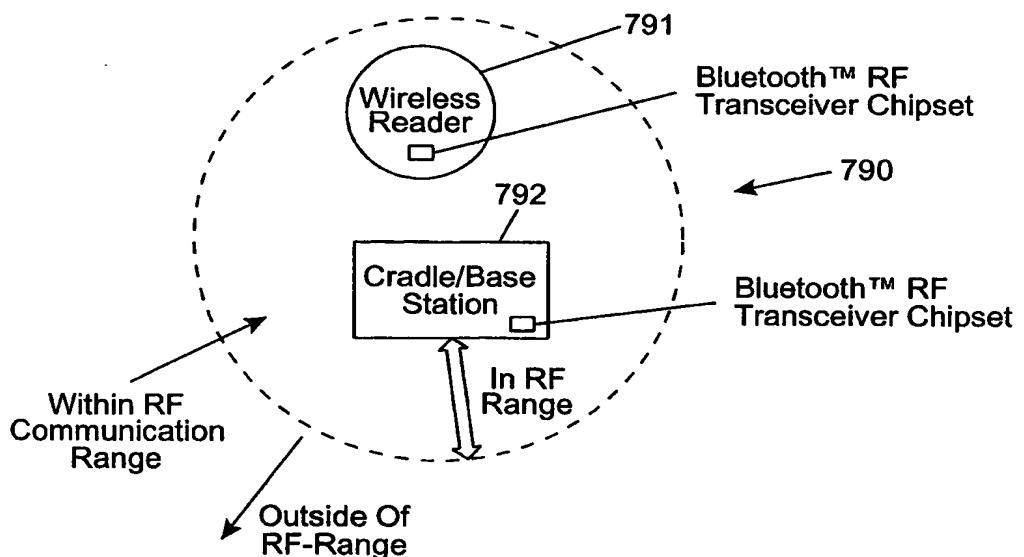


FIG. 44A2

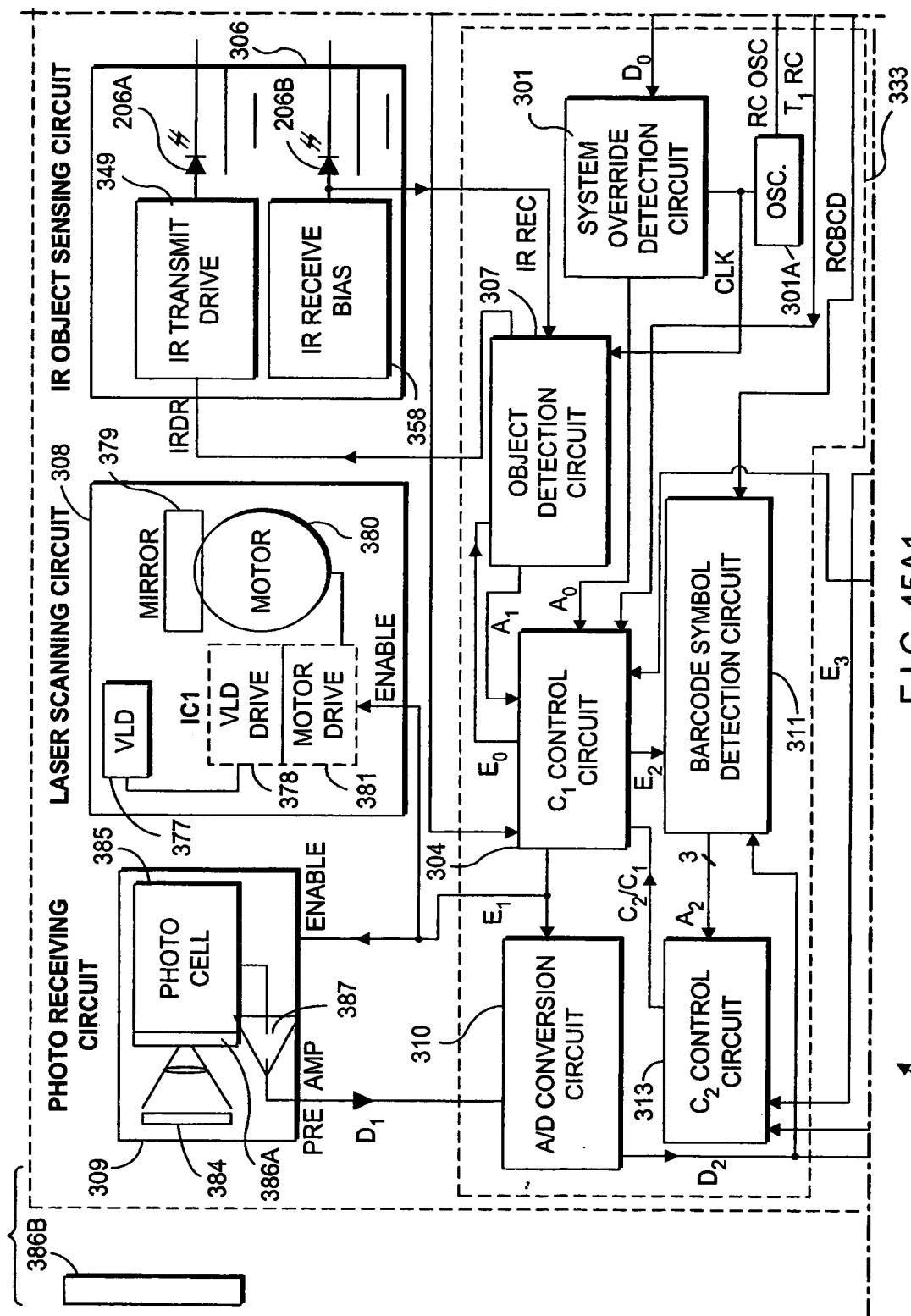


FIG. 45A1

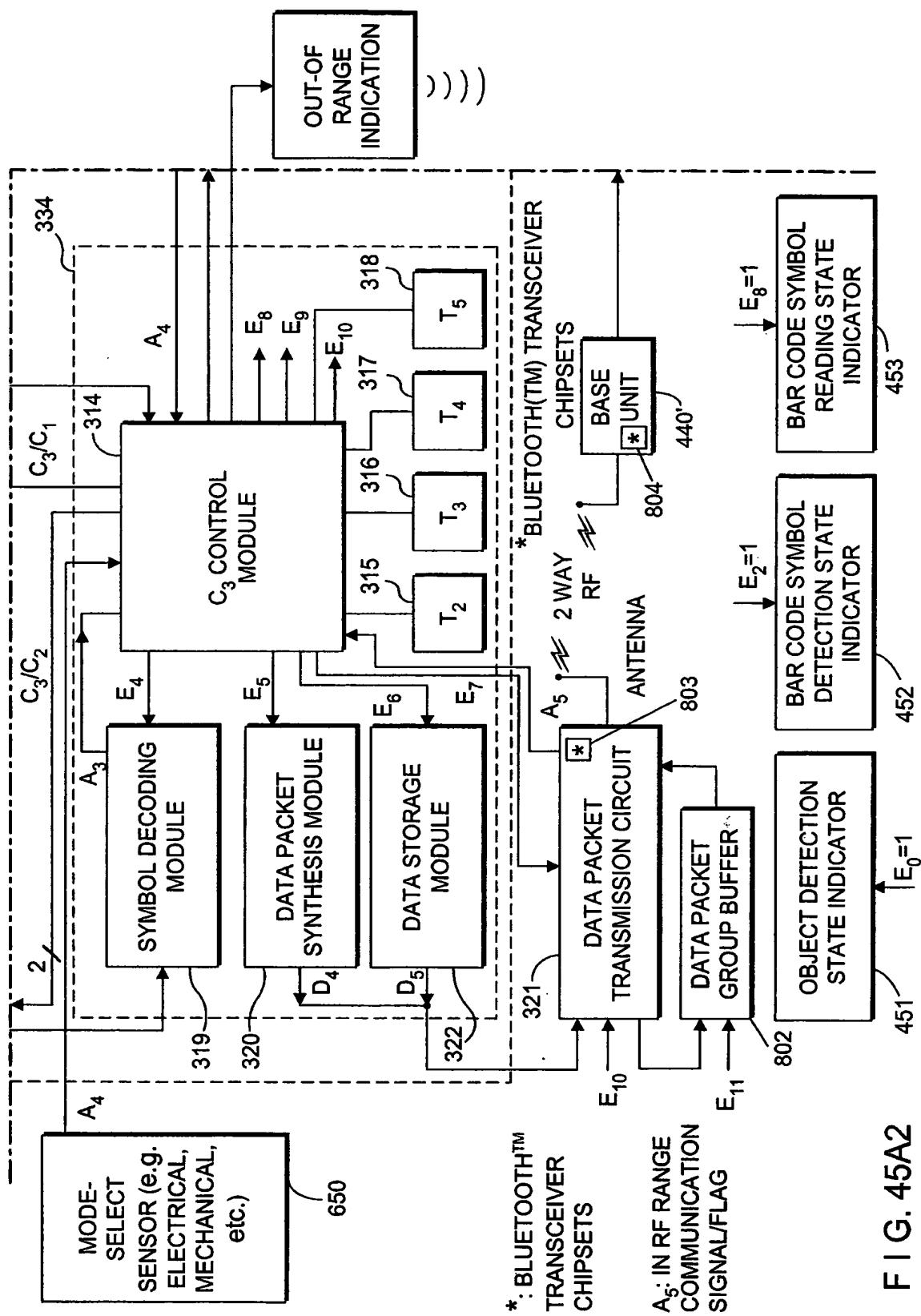


FIG. 45A2

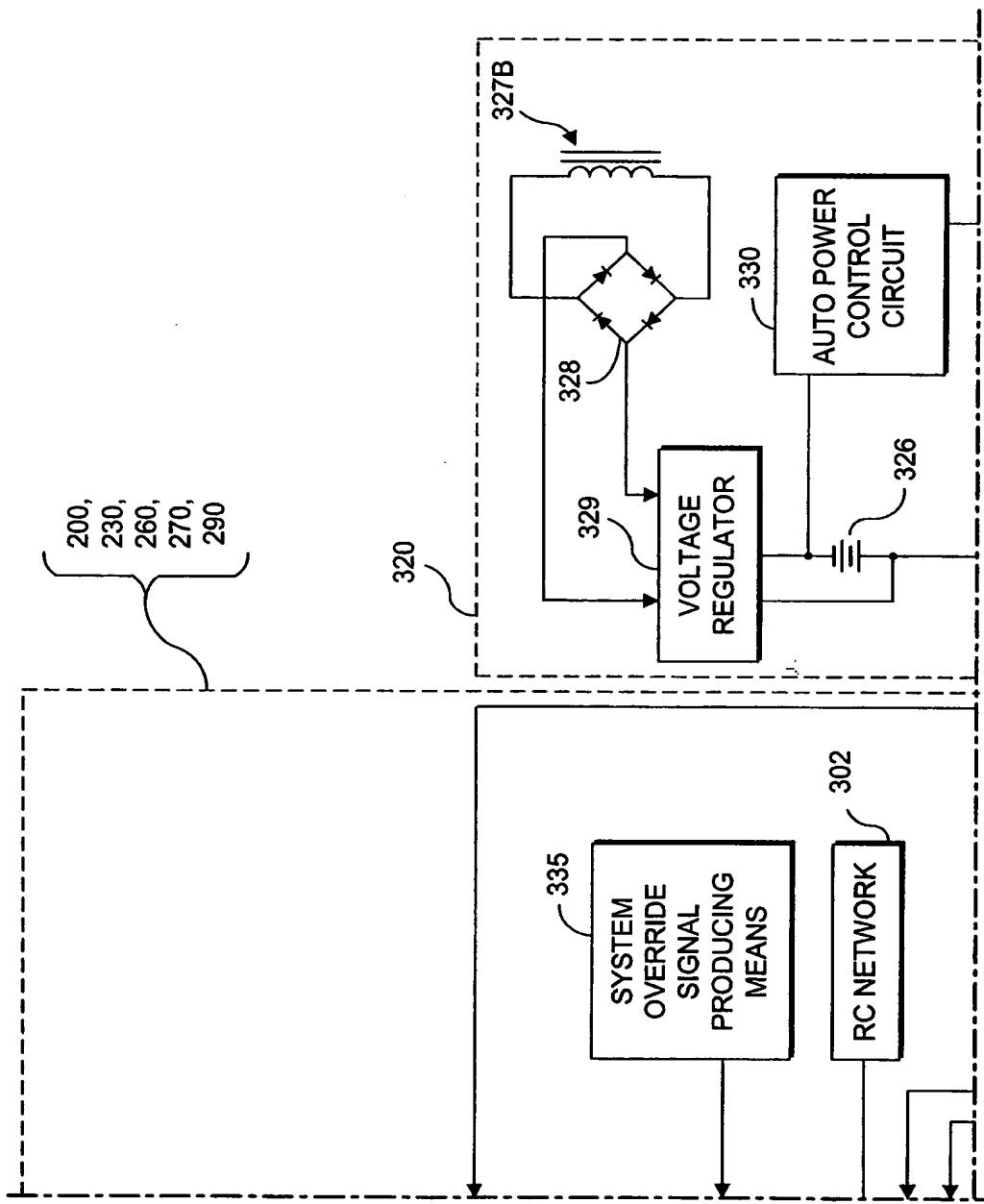


FIG. 45A3

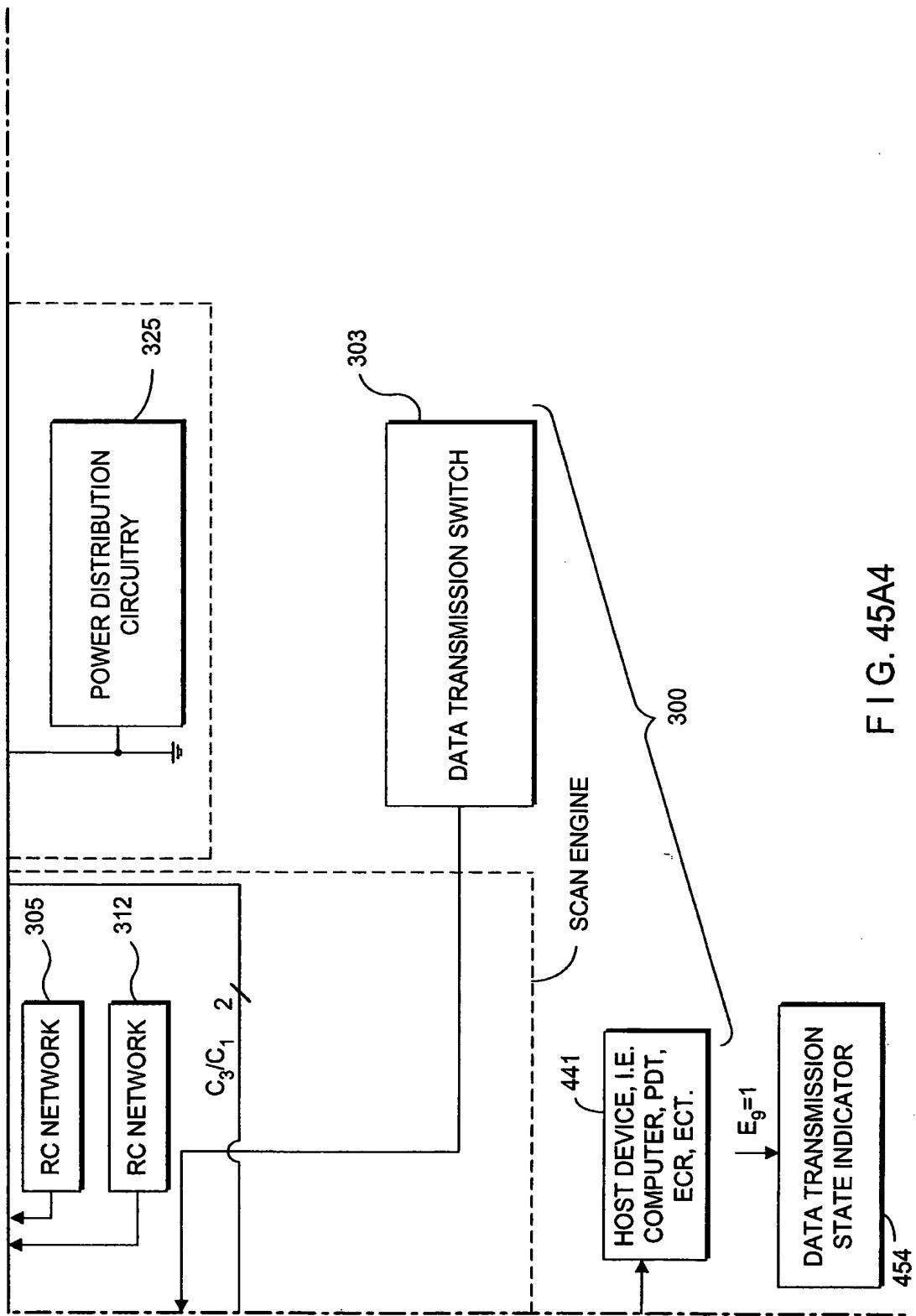


FIG. 45A4

"Direct-Contact Charge Technique"

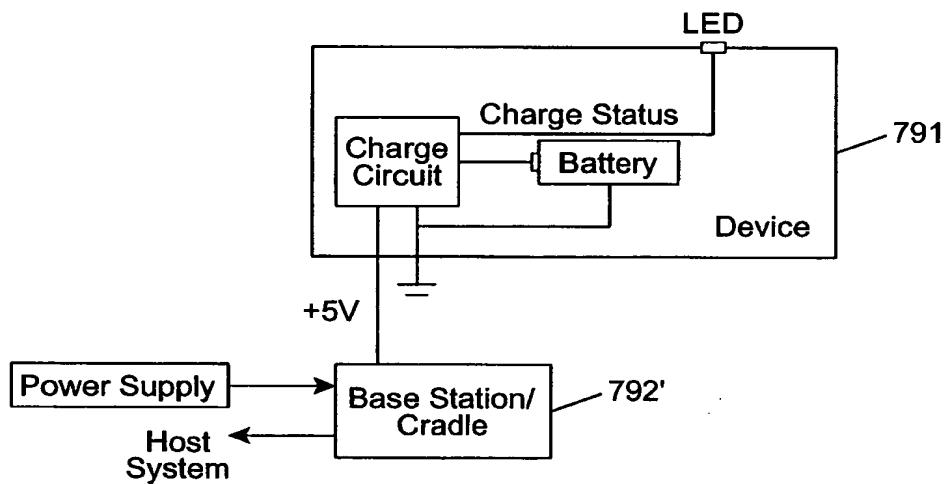


FIG. 45B

DATA PACKET TRANSMISSION VIA 2-WAY RF WITH  
AUTOMATIC RF-RANGE DEPENDENT CONTROL

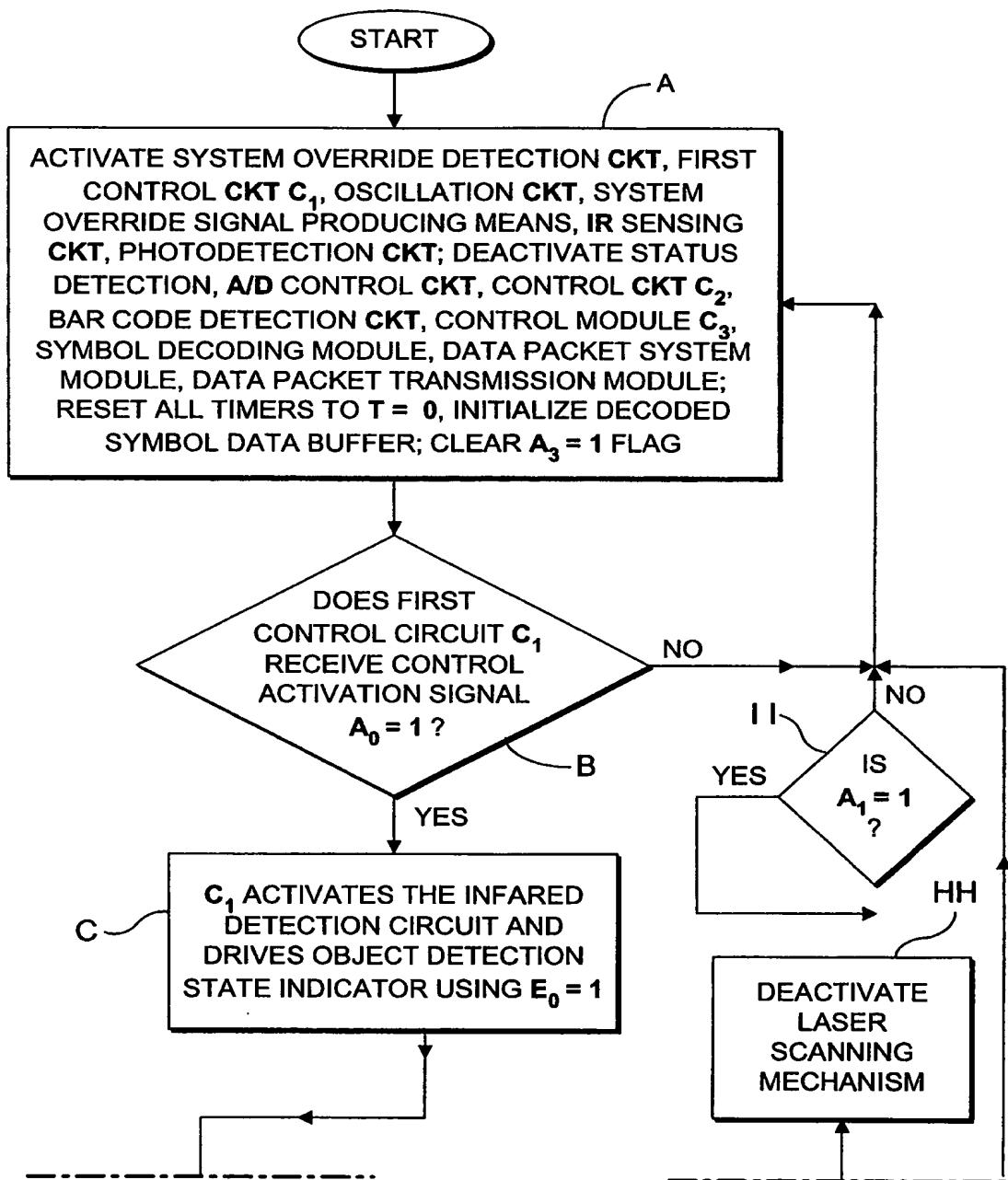


FIG. 46A1

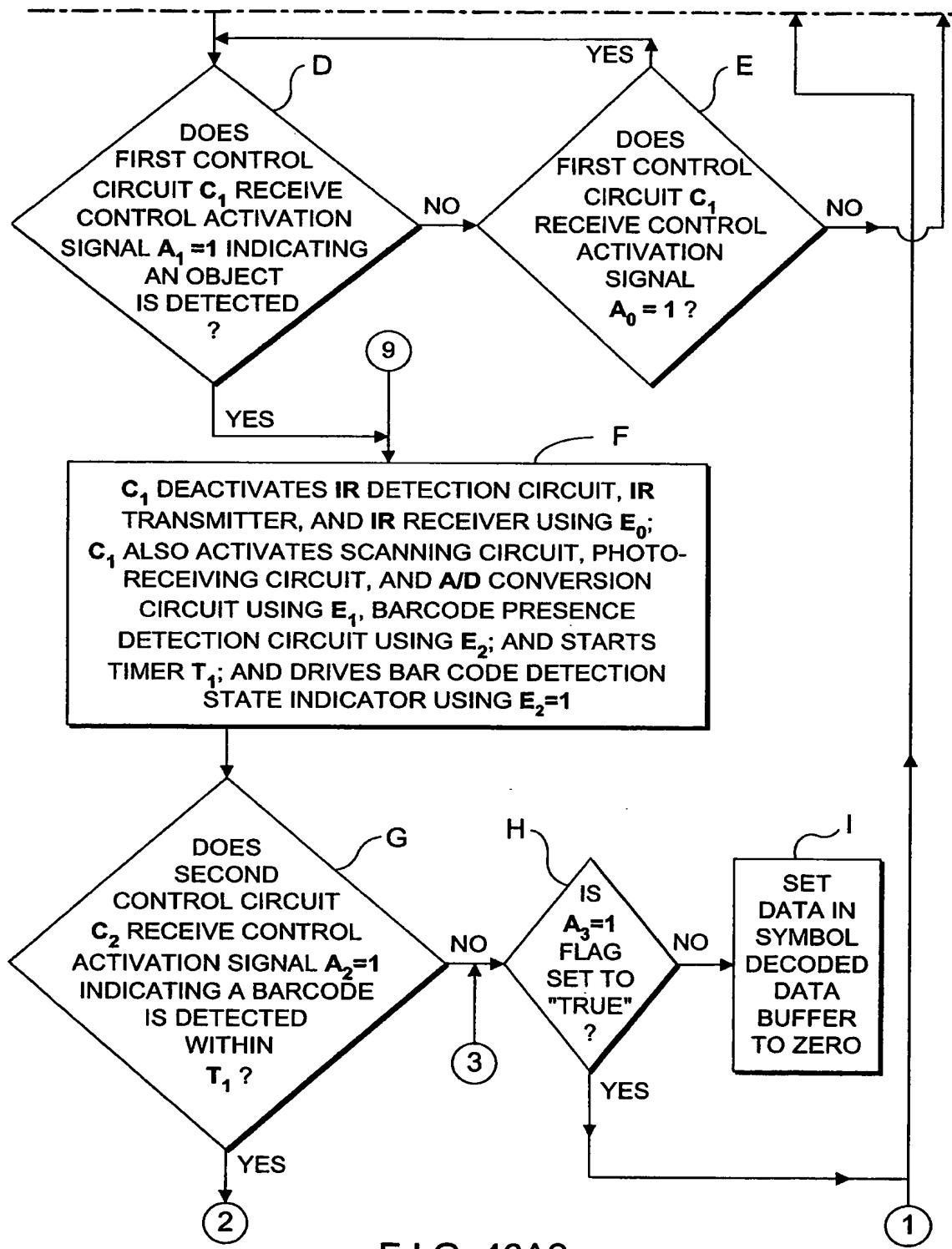


FIG. 46A2

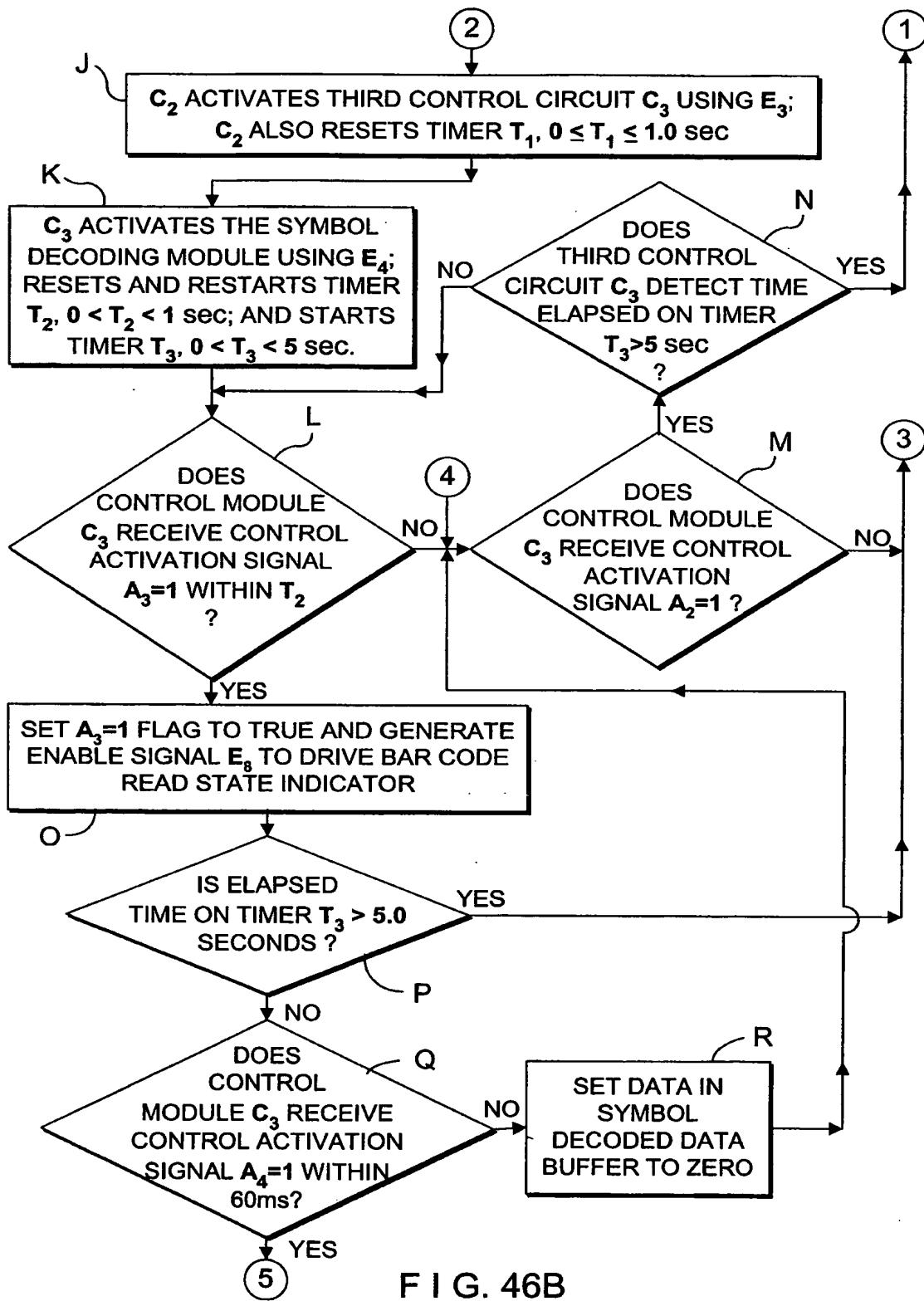


FIG. 46B

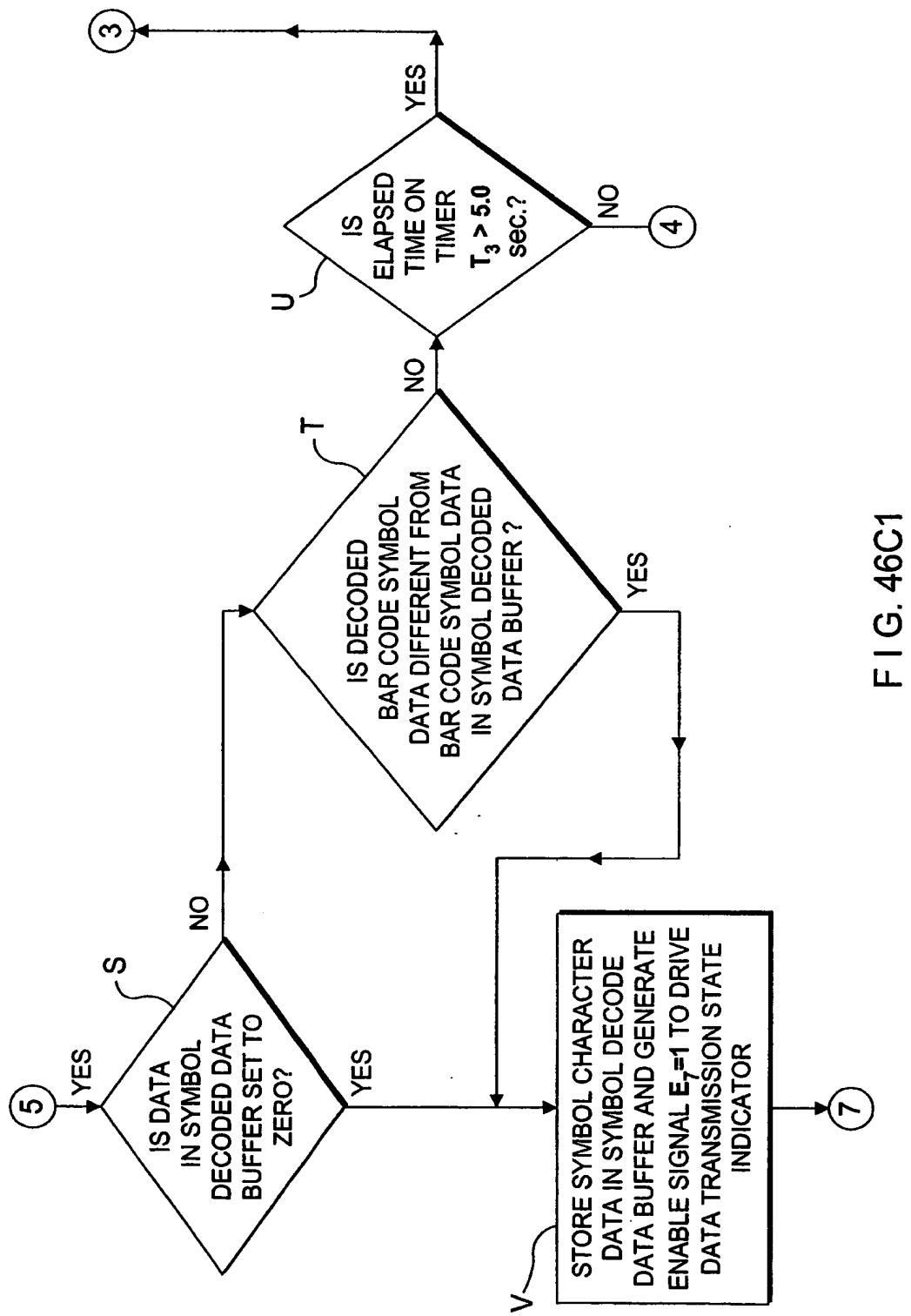
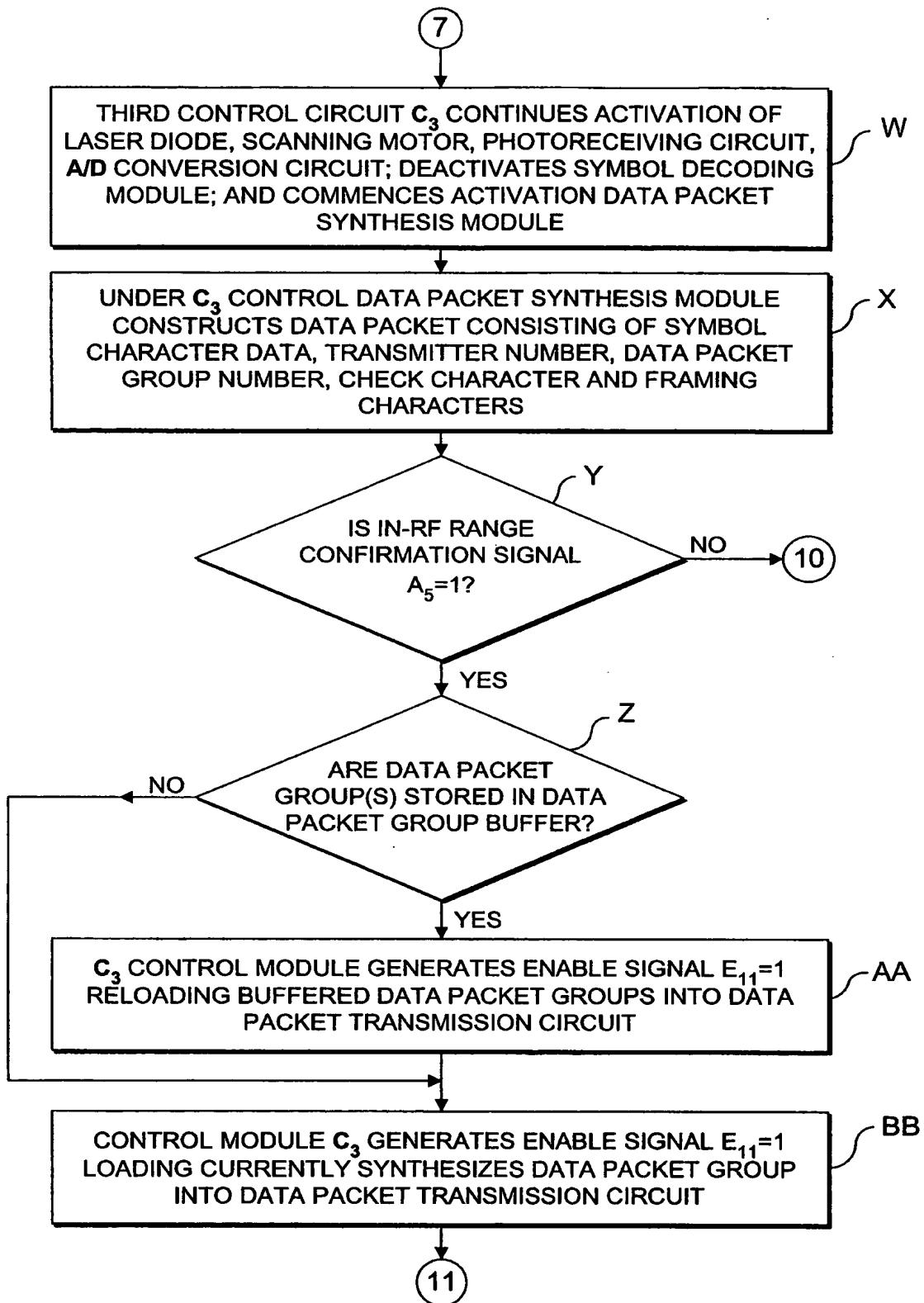


FIG. 46C1



F I G. 46C2

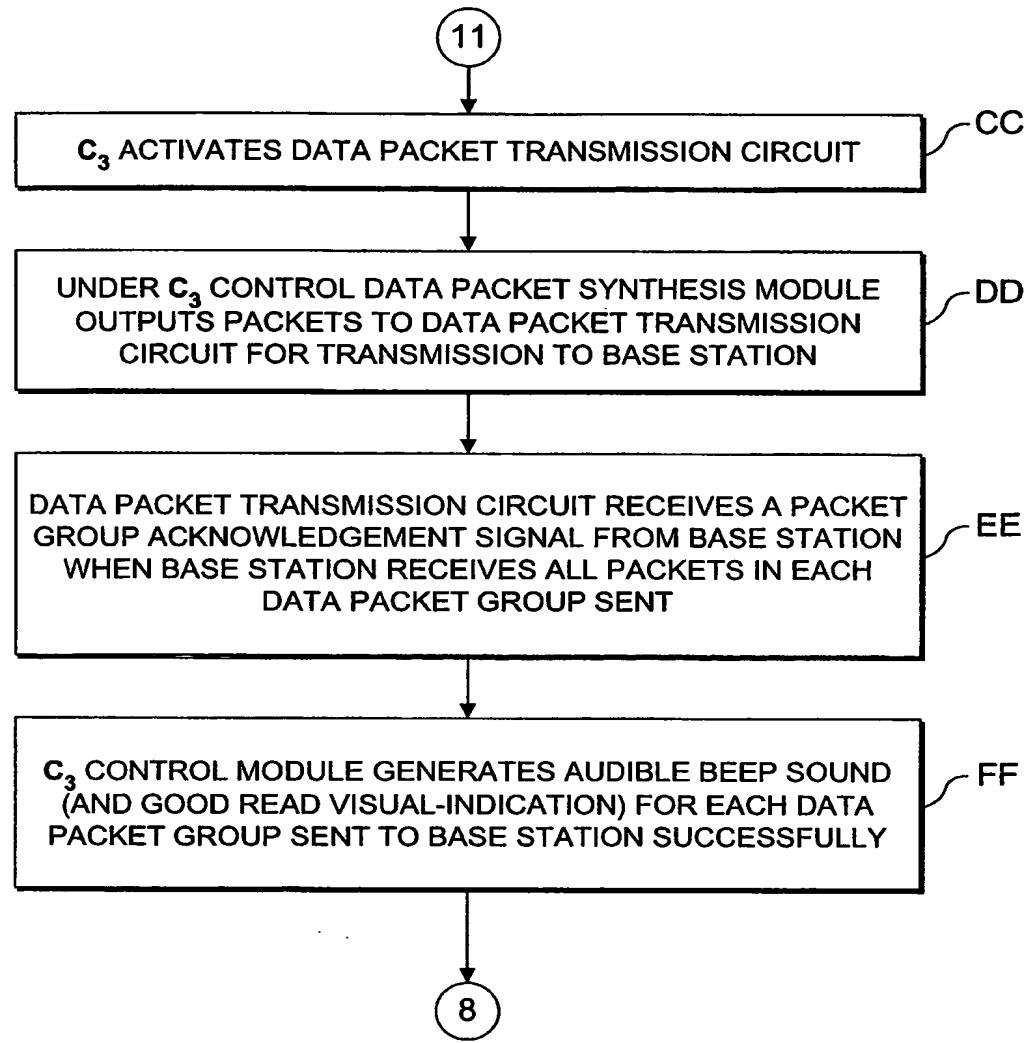


FIG. 46C3

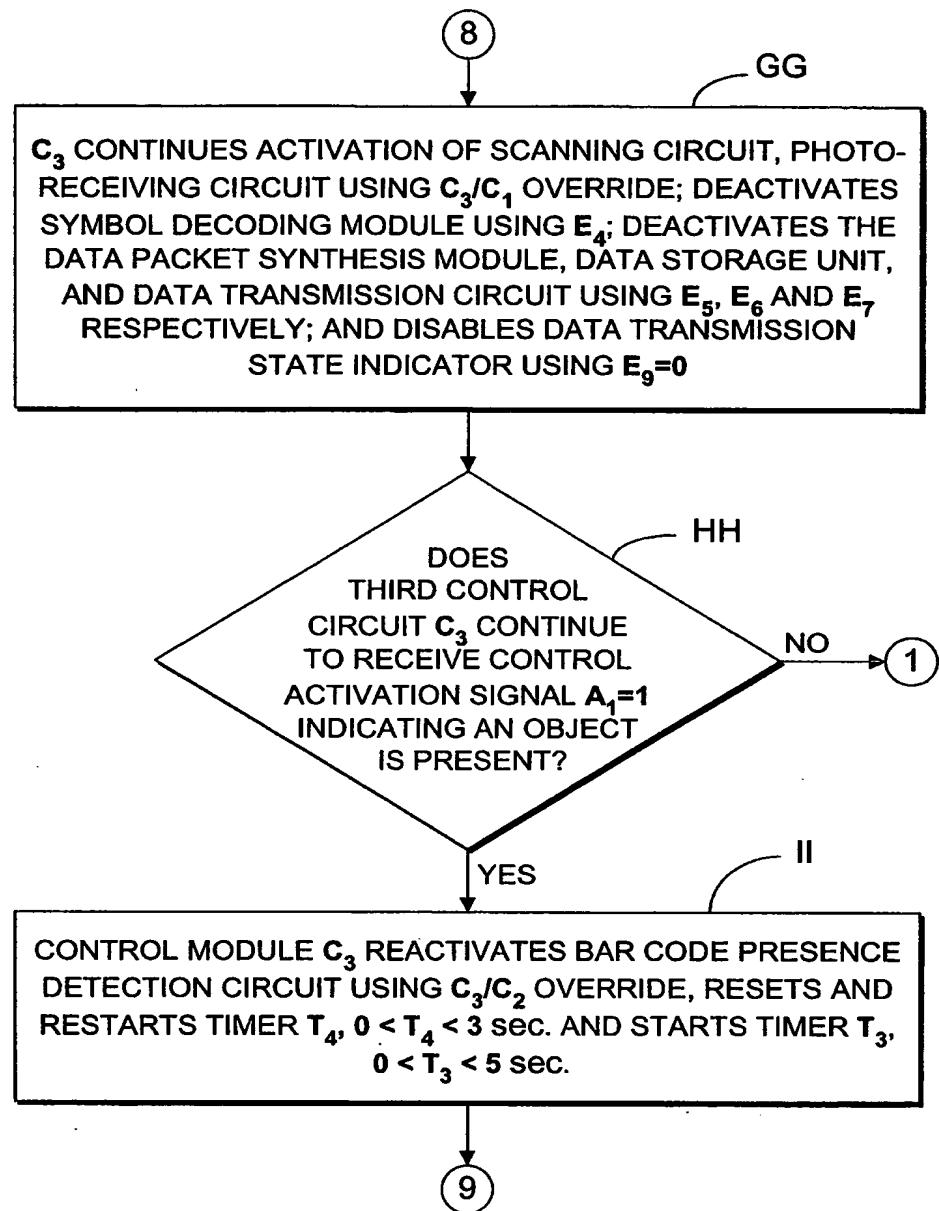


FIG. 46C4

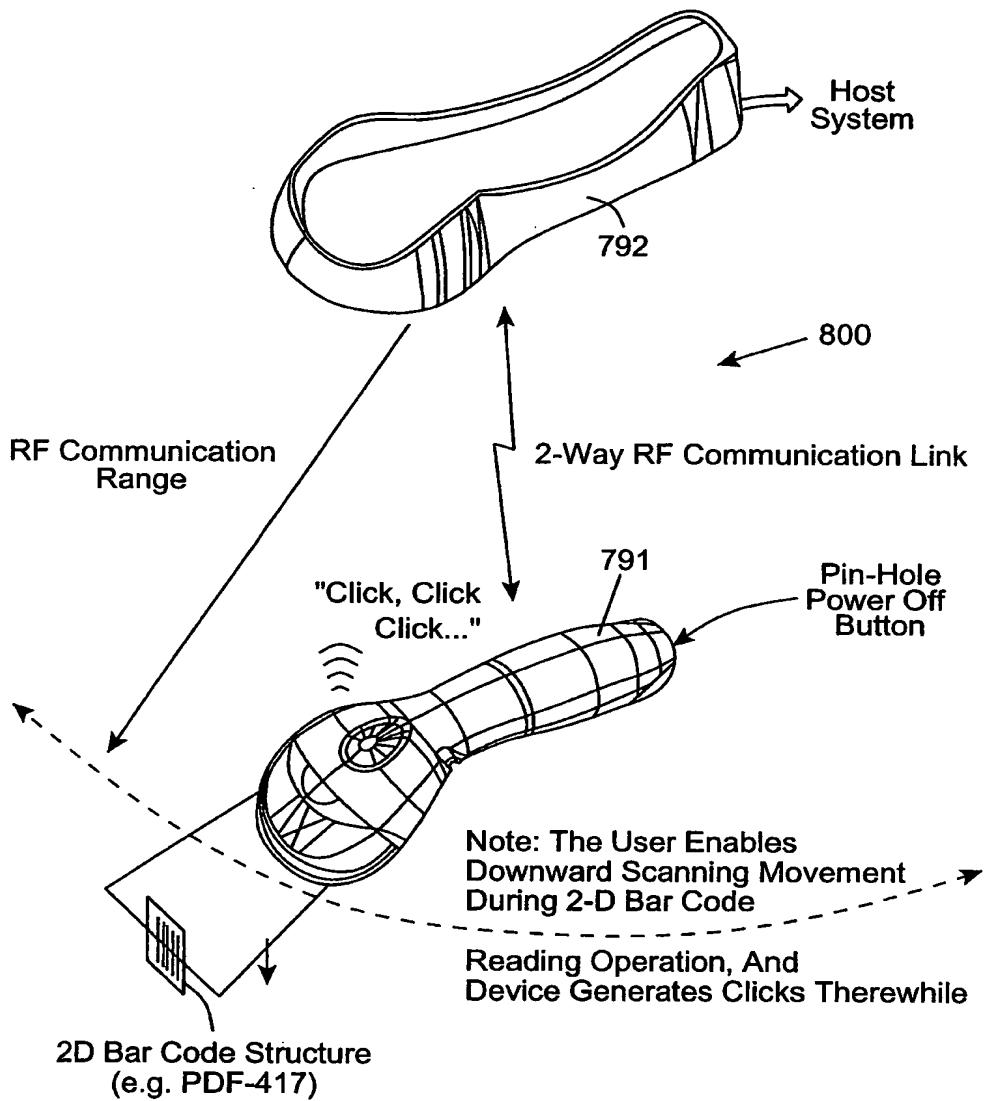


FIG. 47

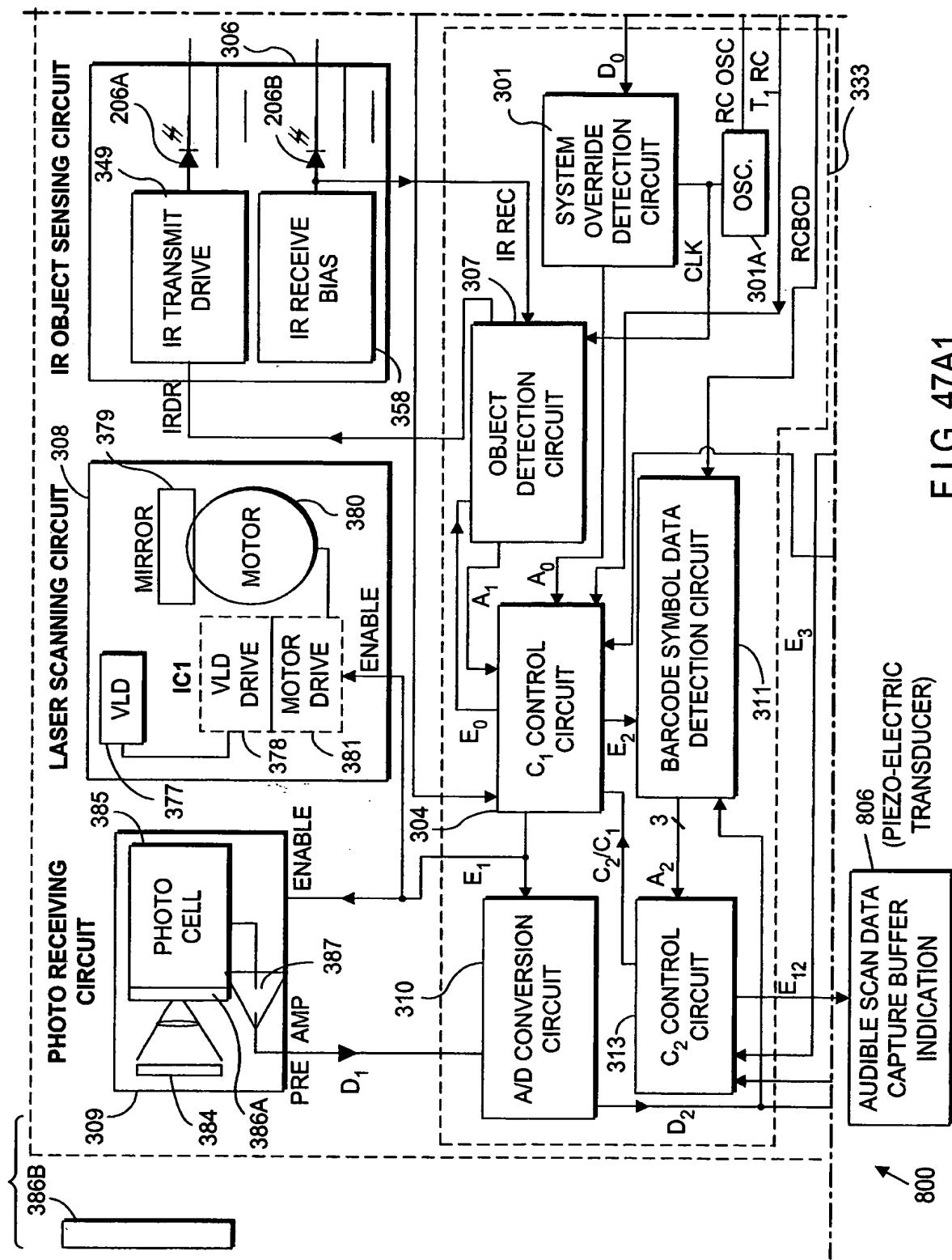


FIG. 47A1

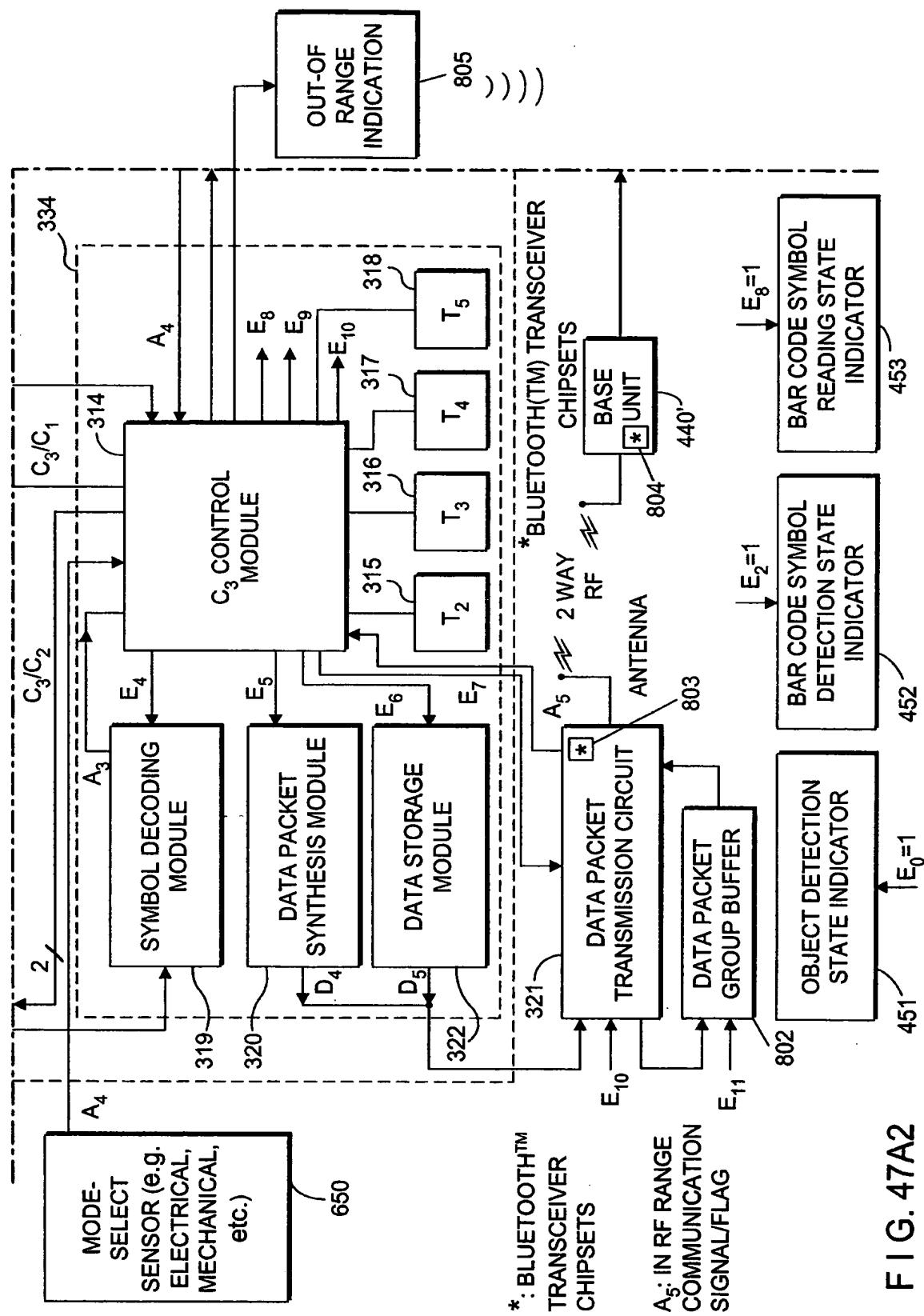
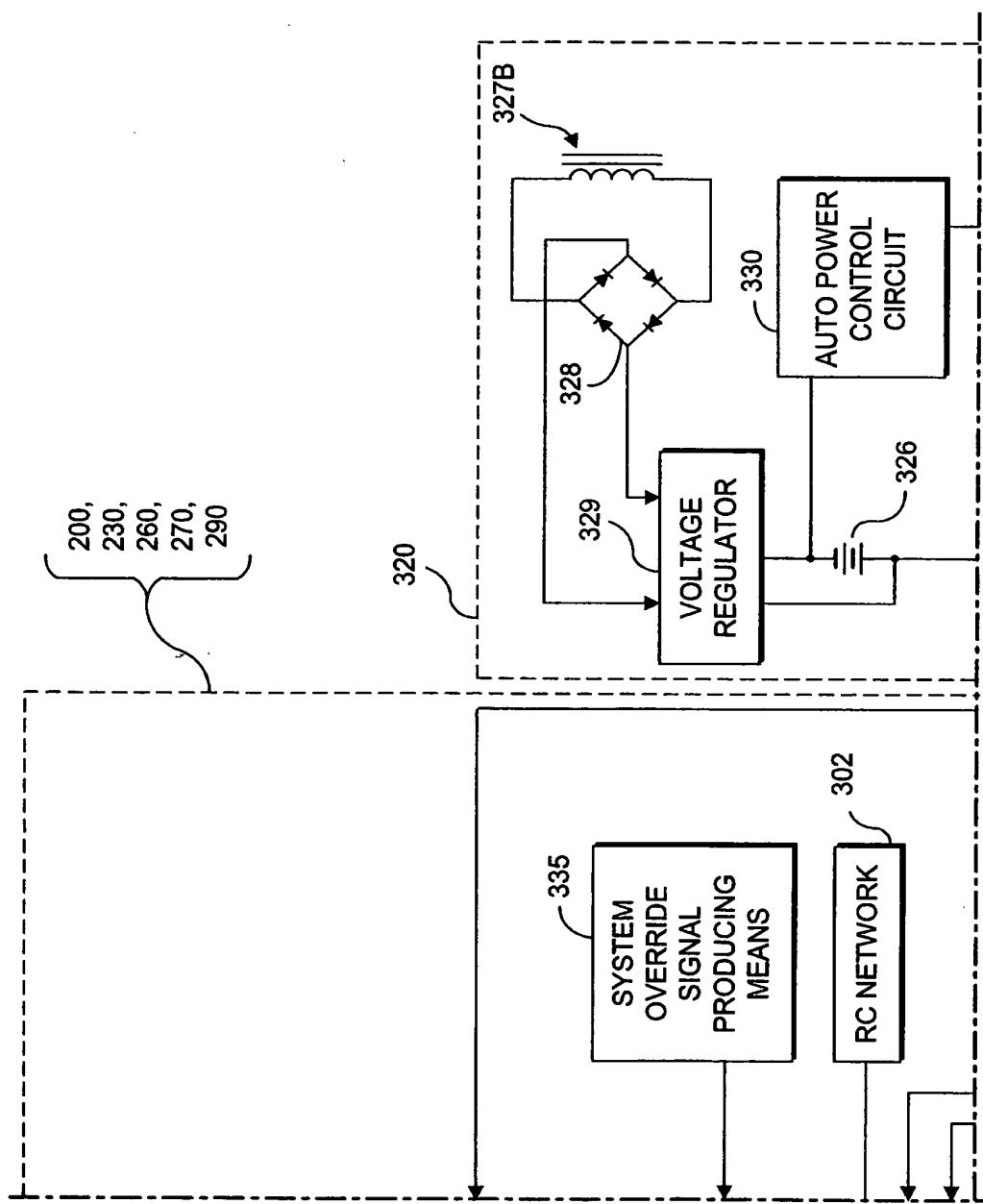


FIG. 47A2



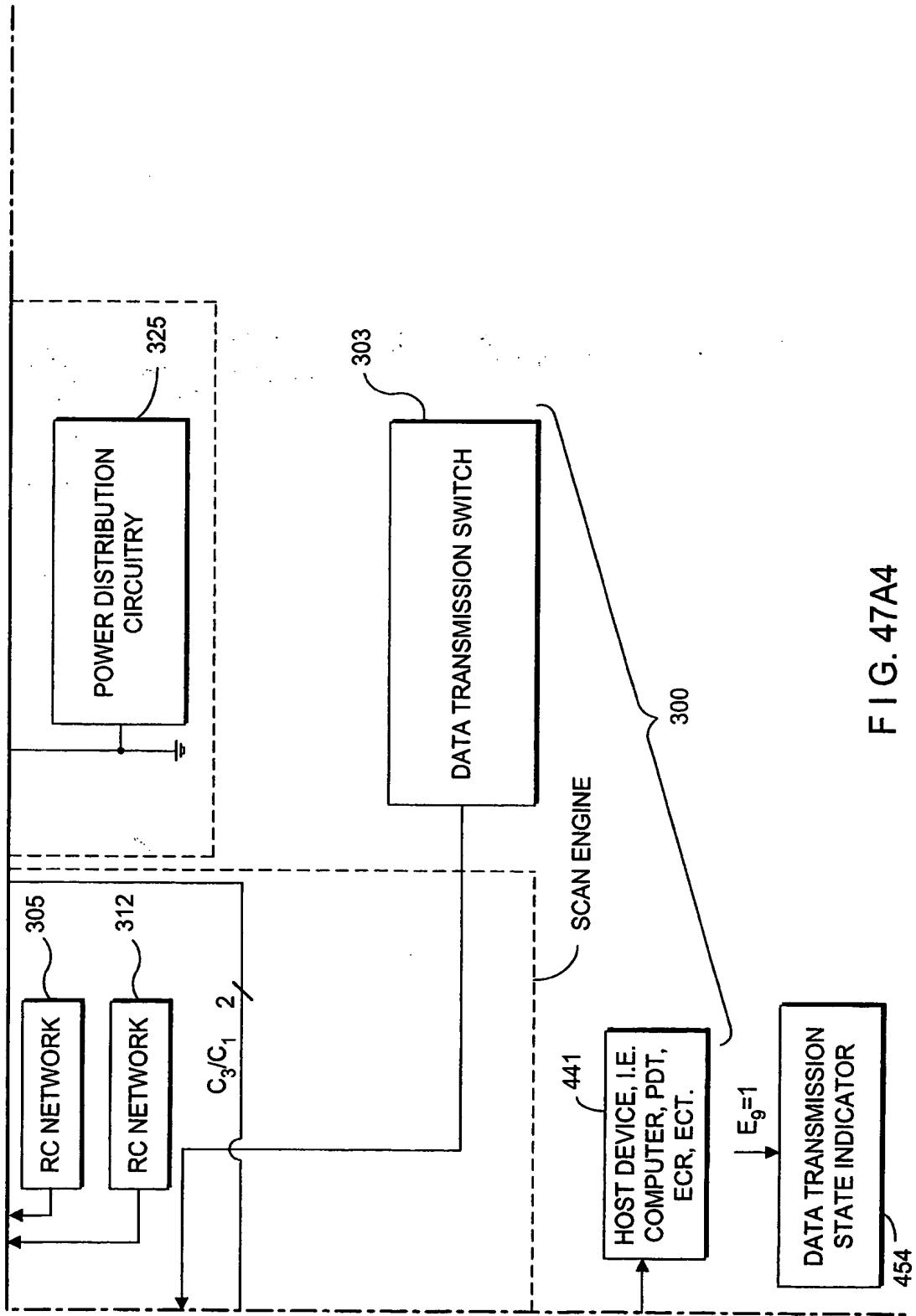


FIG. 47A4

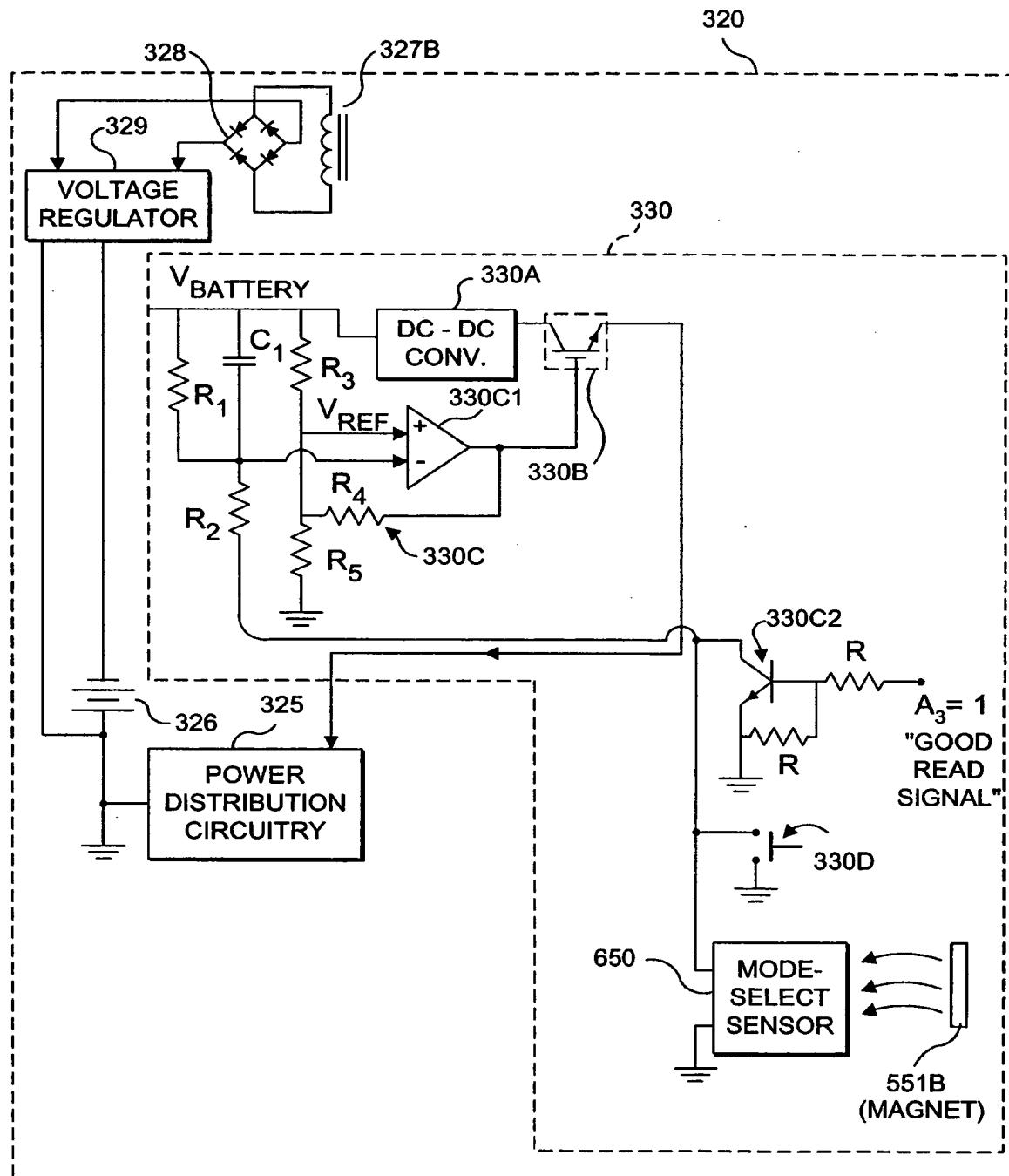


FIG. 47B

PDF DATA PACKET TRANSMISSION VIA 2-WAY RF WITH  
AUTOMATIC RF-RANGE DEPENDENT CONTROL  
(2-D READING MODE)

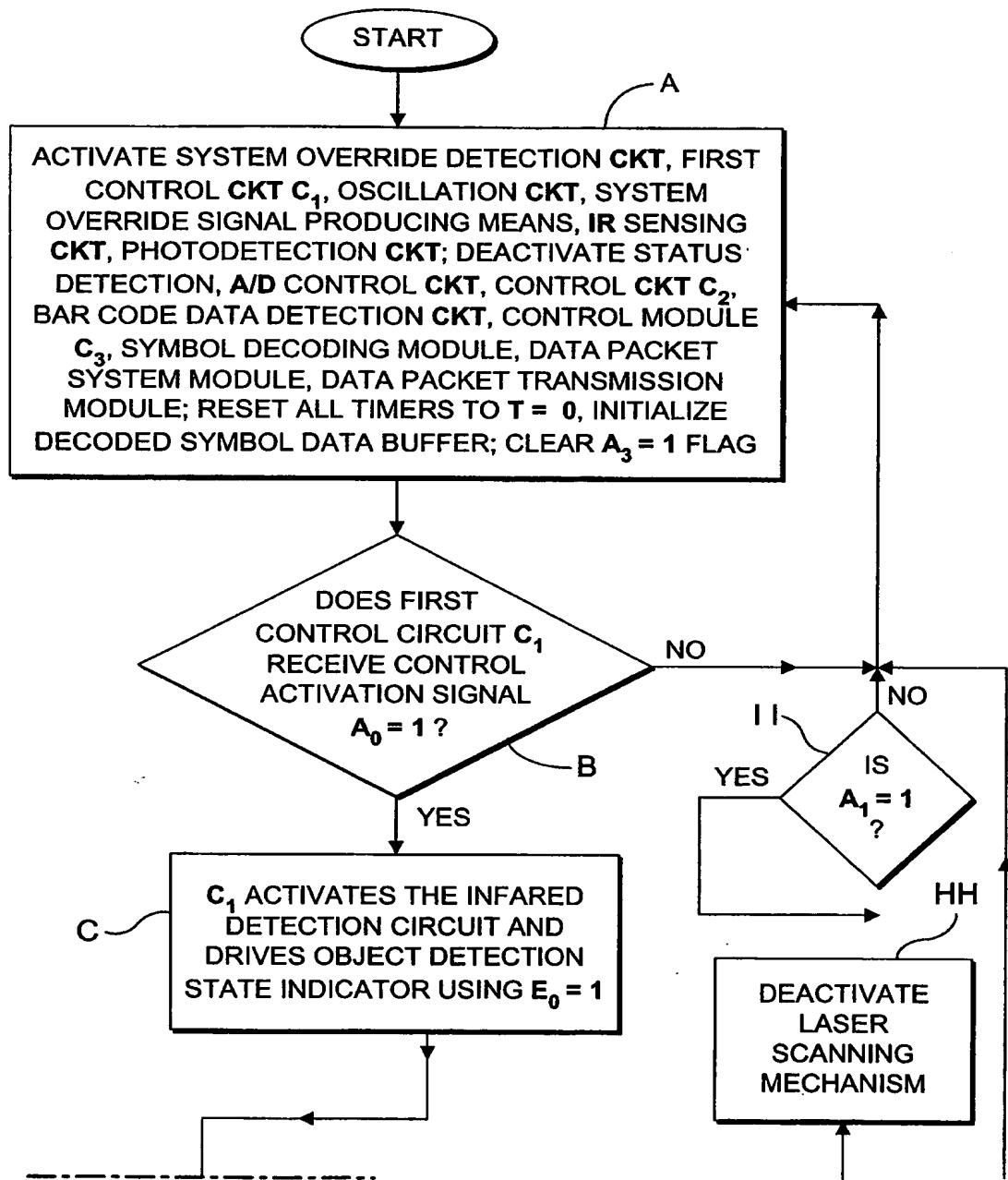


FIG. 48A1

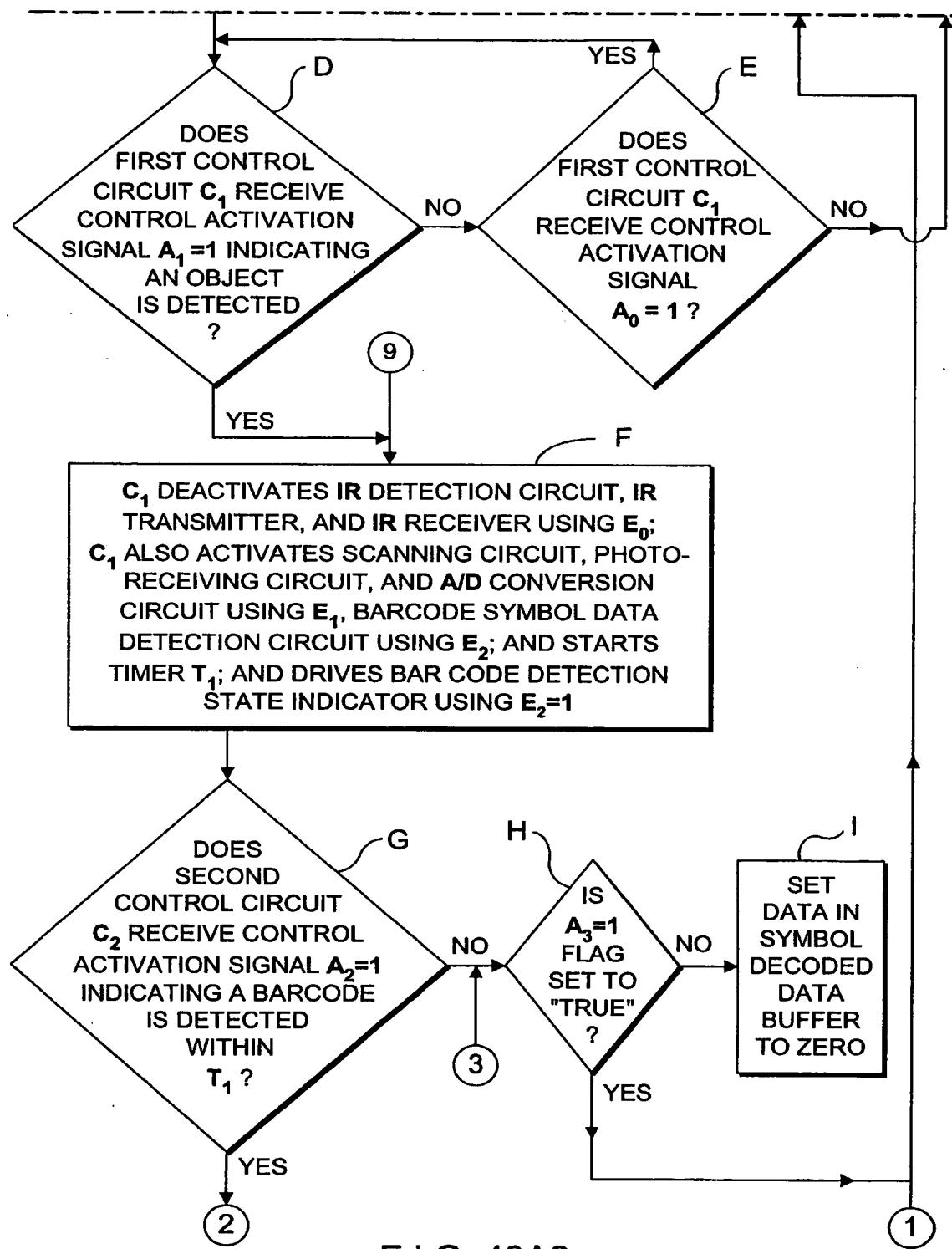


FIG. 48A2

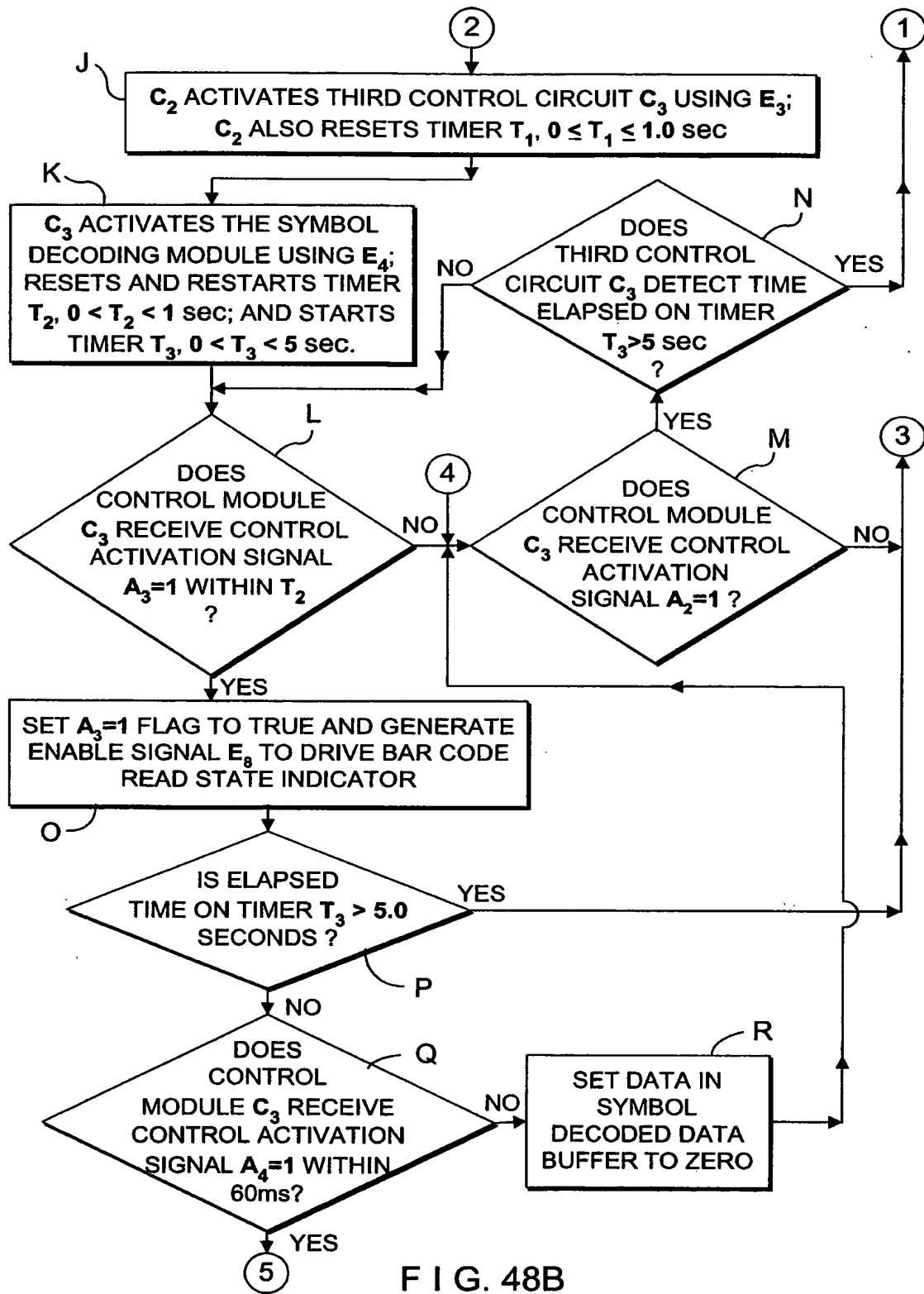


FIG. 48B

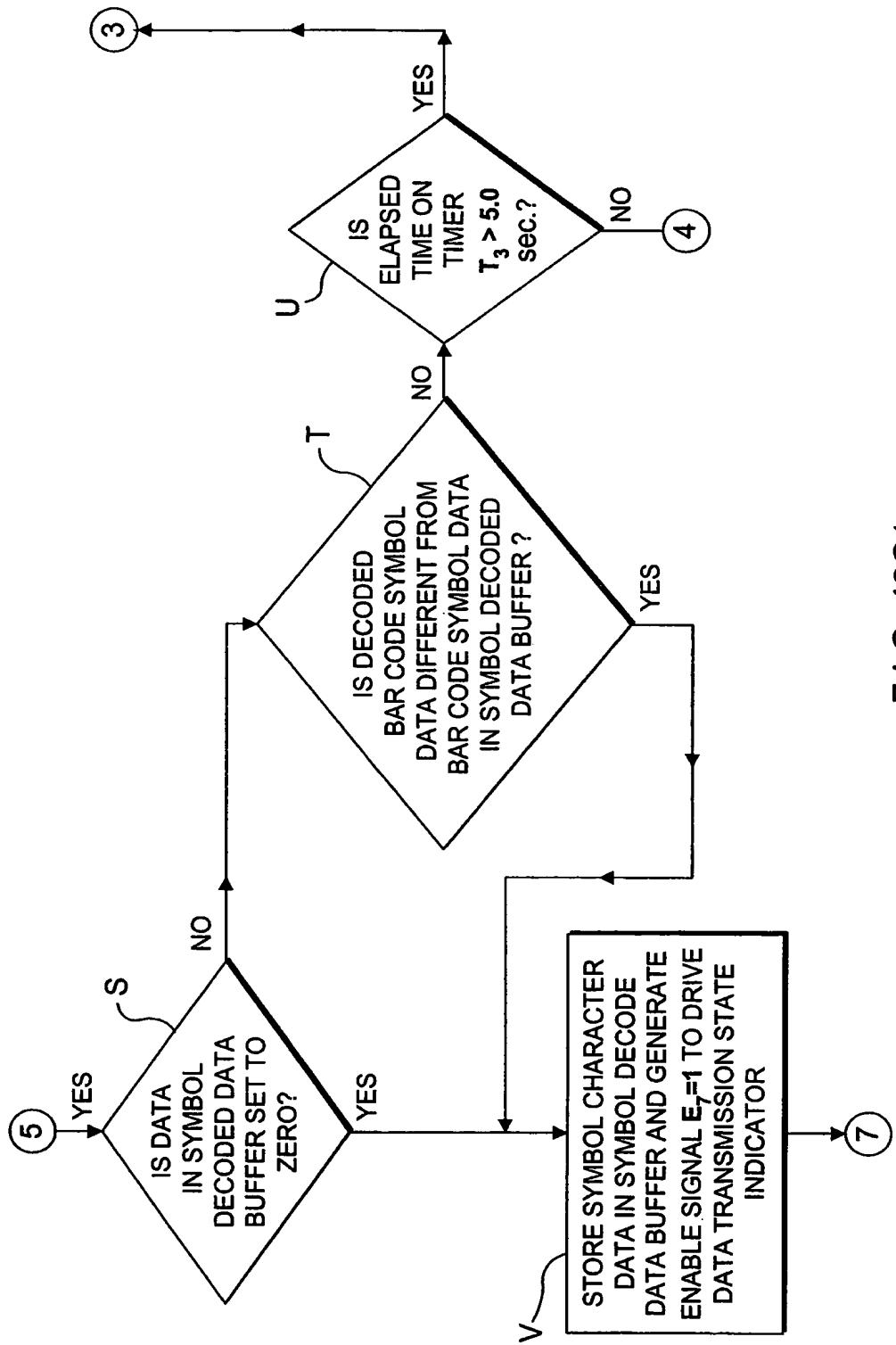


FIG. 48C1

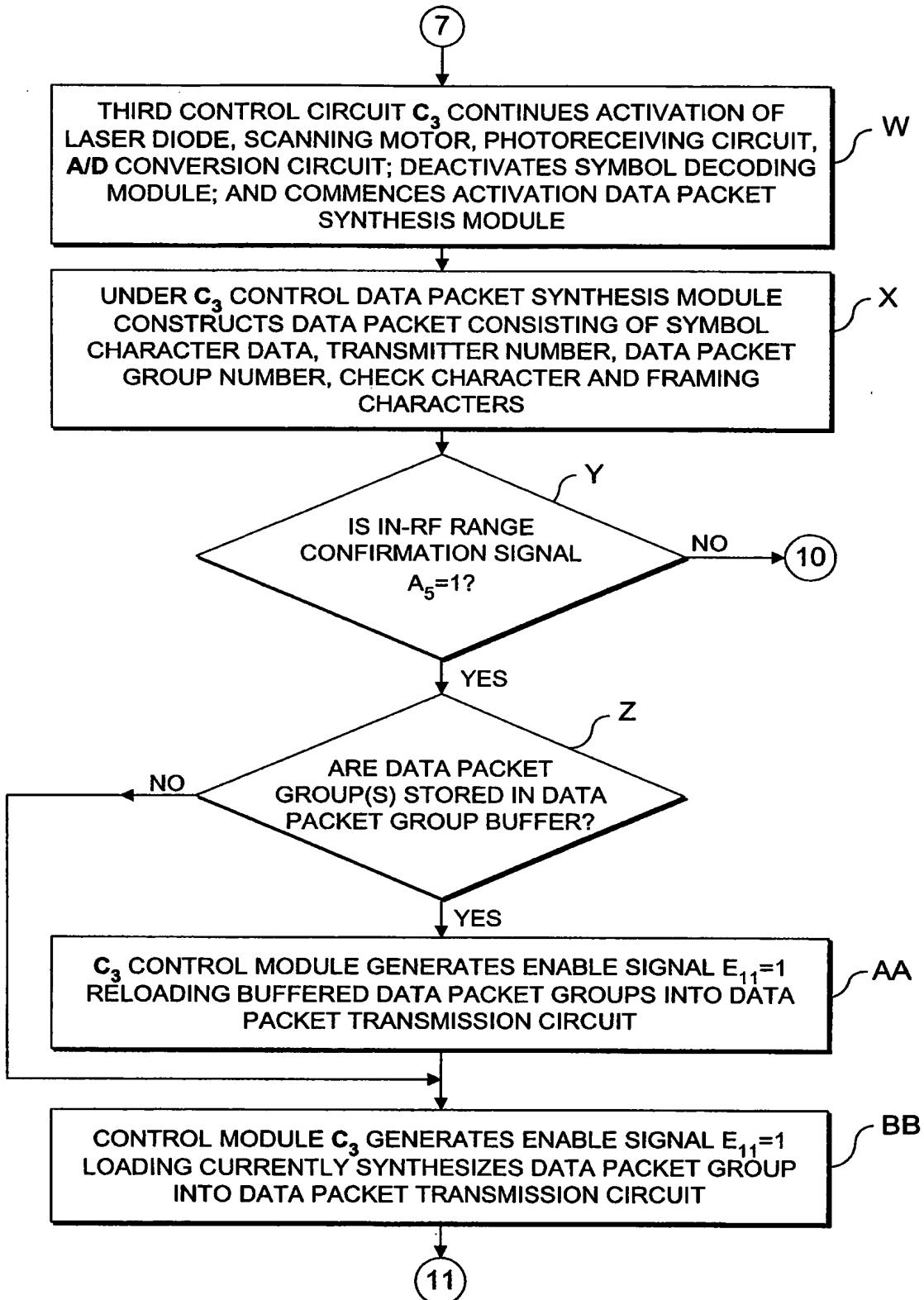


FIG. 48C2

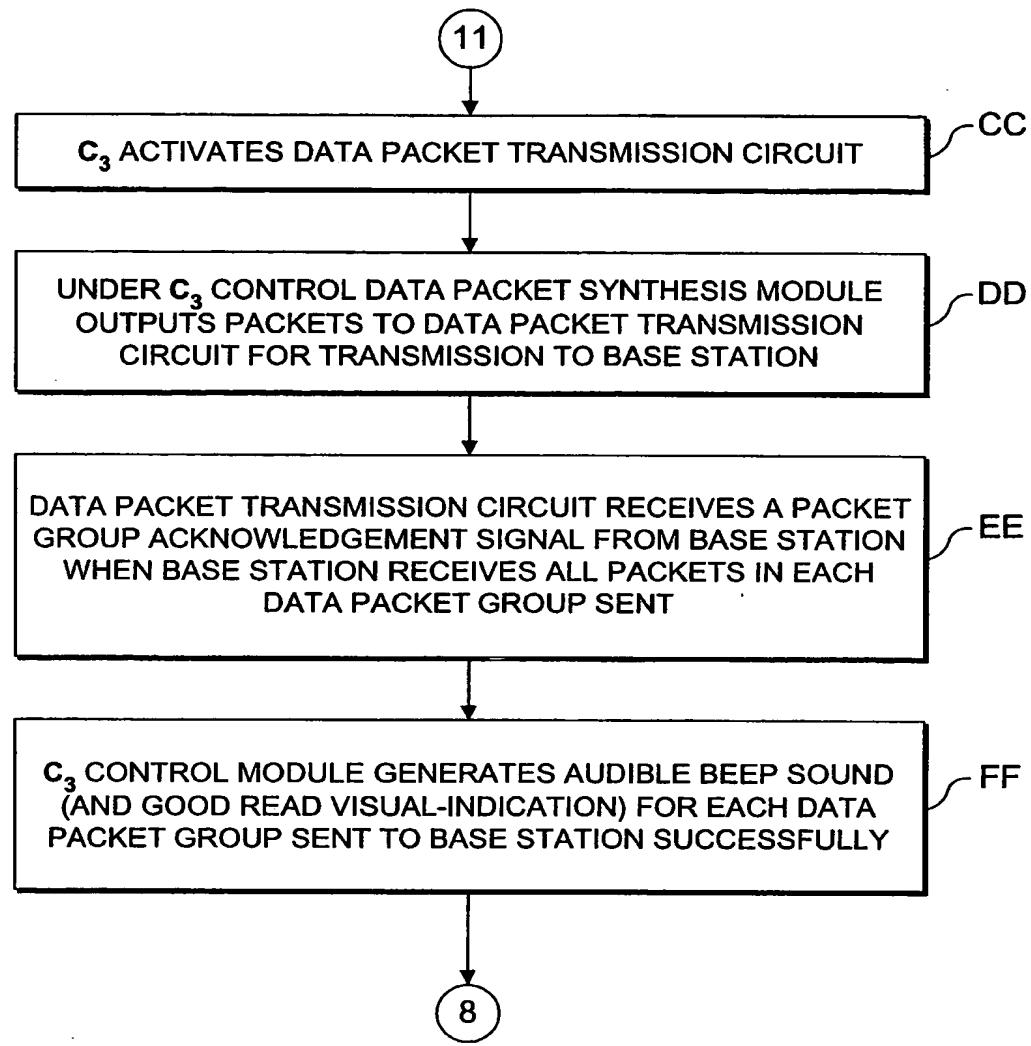


FIG. 48C3

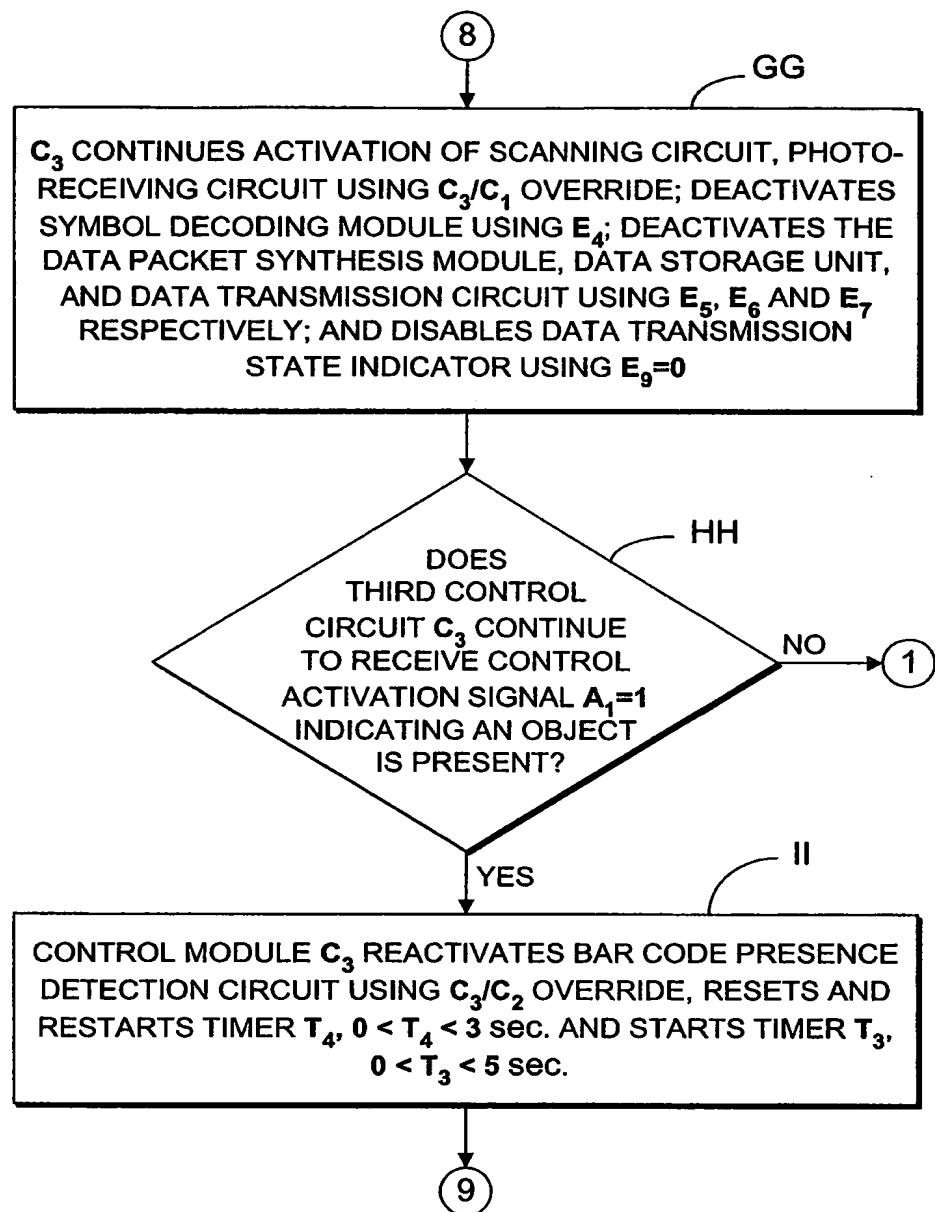


FIG. 48C4